This printed version of the Schedule of Classes is current as of 10/3/16 10:24 AM.

AASP African American Studies Summer 2016

AASP100 **Introduction to African American Studies**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH, D | General Education: DSHS, DVUP

Significant aspects of the history of African Americans with particular emphasis on the evolution and development of black communities from slavery to the present. Interdisciplinary introduction to social, political, legal and economic roots of contemporary problems faced by blacks in the United States with applications to the lives of other racial and ethnic minorities in the Americas and in other societies.

0201	Jason Nichols **Meets July 11, 2016 - August 19, 2016** TuWTh 10:00am - 12:15pm	Seats (Total: 20) LEF 1201
WB11	Jason Nichols **Meets May 31, 2016 - July 8, 2016** Class time/details on ELMs	Seats (Total: 35) ONLINE
XA21	Jason Nichols **Meets July 11, 2016 - August 19, 2016** TuWTh 10:00am - 12:15pm	Seats (Total: 13) LEF 1201

AASP101 **Public Policy and the Black Community**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS

Formerly: AASP300.

The impact of public policies on the black community and the role of the policy process in affecting the social, economic and political well-being of minorities. Particular attention given to the post-1960 to present era.

0101	Jonathan England **Meets May 31, 2016 - July 8, 2016** TuWTh 12:30pm - 2:50pm	Seats (Total: 35) TYD 2110

AASP202 **Black Culture in the United States**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH, D | General Education: DSHS, DVUP

The course examines important aspects of African American life and thought which are reflected in African American literature, drama, music and art. Beginning with the cultural heritage of slavery, the course surveys the changing modes of black creative expression from the 19th-century to the present.

WB11	Robert Choflet **Meets May 31, 2016 - July 8, 2016** Class time/details on ELMs	Seats (Total: 25) ONLINE
WB21	Robert Choflet **Meets July 11, 2016 - August 19, 2016** Class time/details on ELMs	Seats (Total: 25) ONLINE

AASP398P **Selected Topics in the African Diaspora; Peoples and Culture of Africa**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Analysis of the historical experiences and cultures of Africans in the diaspora.

Contact department for information to register for this course.

AASP468Y **Special Topics in Africa and the Americas; Exploring Contemporary South Africa**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Cultural, historical and artistic dimensions of the African experience in Africa and the Americas.

Contact department for information to register for this course.

AASP468Z **Special Topics in Africa and the Americas; Understanding Social Inequalities in Post-Apartheid South Africa**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Cultural, historical and artistic dimensions of the African experience in Africa and the Americas.

Contact department for information to register for this course.

AASP498I **Special Topics in Black Culture; Women and the Civil Rights Movement**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced study of the cultural and historical antecedents of contemporary African and African American society. Emphasis on the social, political, economic and behavioral factors affecting blacks and their communities. Topics vary.

Also offered as HIST360 and WMST498M. Credit granted for HIST360, AASP498I, and WMST498M.

WB51	Elsa Barkley Brown	Seats (Total: 40)
	Meets June 20, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE

AASP498M **Special Topics in Black Culture; Black Masculinity in Mass Media: How Blackness has formed (and Re-formed) in U.S. Entertainment Culture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced study of the cultural and historical antecedents of contemporary African and African American society. Emphasis on the social, political, economic and behavioral factors affecting blacks and their communities. Topics vary.

WB11	Shane Walsh	Seats (Total: 35)
	Meets May 31, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE
	The goal of this class is to present to new students how entertainment and media product creation throughout the 19th and 20th centuries have directly shaped the forms of leisure activity that they enjoy today. Thedepictions of Blackness and masculinity in movies and television are in key focus for this course.	

AASP498R **Special Topics in Black Culture; Race and Sports**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced study of the cultural and historical antecedents of contemporary African and African American society. Emphasis on the social, political, economic and behavioral factors affecting blacks and their communities. Topics vary.

A web-based class which uses print media and film to investigate the relationship between two issues that play a large rolein American society--race and sports. All lectures, readings and assignments will be available via Blackboard. If there are questions, please contact the instructor at jenglan1@umd.edu.

WB21	Jonathan England	Seats (Total: 30)
	Meets July 11, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

AASP498Z **Special Topics in Black Culture; Black Women in Popular Culture: From the Blues to Beyonce'**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced study of the cultural and historical antecedents of contemporary African and African American society. Emphasis on the social, political, economic and behavioral factors affecting blacks and their communities. Topics vary.

Students will develop a broad understand of African American women in popular culture through the study of a variety of cultural forms such asliterary texts, films, documentaries, visual art and novels. Students will develop an understanding of the connections between African American womens cultural forms and the historical contexts our of which these cultural traditions arose.

WB21	Renina Jarmon	Seats (Total: 35)
	Meets July 11, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

AASP499F **Advanced Topics in Public Policy and the Black Community; Black Politics and Policy: A Multimedia Approach**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Examination of specific areas of policy development and evaluation in black and other communities. Application of advanced tools of policy analysis, especially quantitative, statistical and micro-economic analysis.

This is an online course that uses media (films like 12 Years a Slave, Boyz N the Hood and Do the Right Thing and documentaries) and primary documents to investigate African-American politics in thepost-Civil Rights Era and policy issues such as education, the prison industrial complex and welfare. Please contact the instructor at jenglan1@umd.edu for more information.

WB41	Jonathan England	Seats (Total: 50)
	Meets July 11, 2016 - July 29, 2016	
	Class time/details on ELMs	ONLINE

AMSC Applied Mathematics & Scientific Computation Summer 2016

AMSC498A **Selected Topics in Applied Mathematics**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Topics in applied mathematics of special interest to advanced undergraduate students.

Contact department for information to register for this course.

AMSC689 **Research Interactions in Applied Mathematics and Scientific Computation**

(Perm req)

Credits: 1-3

Grading Method: Regular, Audit

The students participate in a vertically integrated (undergraduate, graduate and/or postdoctoral, faculty) research group. Format varies, but includes regular meetings, readings and presentations of material. See graduate program's online syllabus or contact the graduate program director for more information.

Contact department for information to register for this course.

AMSC698A **Advanced Topics in Applied Mathematics**

(Perm req)

Credits: 1-4

Grading Method: Regular, Audit

Contact department for information to register for this course.

AMSC760 **Applied Statistics Practicum**

Credits: 3

Grading Method: Regular

Prerequisite: Must have completed one year of graduate study in Applied Statistics. Restriction: Must have project proposal approved by SAC coordinator.

A semester long applied applied statistical project (a minimum 10 hours per week or 120 hours in total), in an internship of collaborative research-laboratory setting working on a substantive applied quantitative project with significant statistical content.

0201	Partha Lahiri	Seats (Total: 20)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	

AMSC799 **Master's Thesis Research**

(Perm req)

Credits: 1-6

Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

AMSC898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8

Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

AMSC899 **Doctoral Dissertation Research**

Credits: 1-8

Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

AMST American Studies Summer 2016

AMST101 **Introduction American Studies**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: HO, D	General Education: DSHU, DVUP

Credit only granted for: AMST101 or AMST201. Formerly: AMST201.

Introduces students to the interdisciplinary field of American Studies by examining concepts such as culture, identity, cultural practices, and globalization, as well as theories underlying these concepts. Engages key themes, especially constructions of difference and identity, cultures of everyday life, and America and the world.

0201	Ashley Hufnagel **Meets July 11, 2016 - August 19, 2016** TuWTh 9:00am - 11:15am	Seats (Total: 15) ASY 3211
WB11	A Anthony **Meets May 31, 2016 - July 8, 2016** Class time/details on ELMs	Seats (Total: 30) ONLINE
XA21	Ashley Hufnagel **Meets July 11, 2016 - August 19, 2016** TuWTh 9:00am - 11:15am	Seats (Total: 14) ASY 3211

AMST203 **Popular Culture in America**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: HO	General Education: DSHU, DVUP

An introduction to American popular culture, its historical development, and its role as a reflection of and influence on our culture and society.

FF61	Kevin Winstead **Meets August 1, 2016 - August 19, 2016** MTuWTh 11:00am - 12:45pm Class time/details on ELMs *Restricted to students in Freshman first.*	Seats (Total: 15) WDS 0104 ONLINE
HY61	Kevin Winstead **Meets August 1, 2016 - August 19, 2016** MTuWTh 11:00am - 12:45pm Class time/details on ELMs	Seats (Total: 10) WDS 0104 ONLINE

WB11	Melissa Benitez **Meets May 31, 2016 - July 8, 2016** Class time/details on ELMs	Seats (Total: 30) ONLINE
WB21	Ashley Glacel **Meets July 11, 2016 - August 19, 2016** Class time/details on ELMs	Seats (Total: 30) ONLINE
WB22	Robert Jiles **Meets July 11, 2016 - August 19, 2016** Class time/details on ELMs	Seats (Total: 30) ONLINE

AMST205 **Material Aspects of American Life**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HA | General Education: DSHU, DVUP

Historical survey of American material culture. Ways of describing and interpreting accumulated material evidence (e.g., buildings, town plans) introduced by stressing relationship between artifact and culture.

WB11	Jung Kim **Meets May 31, 2016 - July 8, 2016** Class time/details on ELMs	Seats (Total: 30) ONLINE

AMST269I **Special Topics in Study Abroad II; Images of Italian Americans in Film**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

AMST298Y **Selected Topics in American Studies; Lived Existence: Perspectives in Native American Identity (Brazil)**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Cultural study of a specific theme or issue involving artifacts and documents from both past and contemporary American experience.

Contact department for information to register for this course.

AMST369F **Special Topics in Study Abroad III**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

AMST386 **Experiential Learning**

Credits: 3-6

Grading Method: Regular, Pass-Fail

Restriction: Permission of ARHU-American Studies department; and junior standing or higher.

I201	Jo Paoletti	Seats (Total: 5)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	

AMST398 **Independent Studies**

(Perm req)

Credits: 3

Grading Method: Regular

Provides the student with the opportunity to pursue independent, interdisciplinary research and reading in specific areas of American culture studies.

Restriction: Permission of ARHU-American Studies department; and junior standing or higher.

I201	Jo Paoletti	Seats (Total: 5)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	

AMST798 **Non-Thesis Research**

Credits: 1-3

Grading Method: Regular, Audit

0208	Sheri Parks	Seats (Total: 1)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	

AMST899 **Doctoral Dissertation Research**

Credits: 1-6

Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

ANTH Anthropology Summer 2016

ANTH221 **Introduction to Forensic Sciences**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit, Sat-Fail | General Education: DSSP

Credit only granted for: ANTH298A or ANTH221. Formerly: ANTH298A.

Provides a brief history of forensic sciences, an introduction to some of the techniques used, and a demonstration of some of the applications of forensic sciences. A survey course designed to give the student some exposure to the kinds of scientific knowledge and techniques applied to the medico-legal investigation of death and other crimes.

YS41	Marilyn London	Seats (Total: 22)	
	Meets July 11, 2016 - July 29, 2016		
	MTuWThF 9:00am - 12:00pm	WDS 1114	
	This section is part of Terp Young Scholars. Enrollment by permission only.		

ANTH222 **Introduction to Ecological and Evolutionary Anthropology**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: LL | General Education: DSNL, DVUP

Credit only granted for: ANTH220 or ANTH222.

An introduction to the evolution of human physiology and human behavior, the relationship between hominid and non-hominid primates, and the study of relationships between a population of humans and their biophysical environment.

HY11	Robert O'Malley	Seats (Total: 20)	
	Meets May 31, 2016 - July 8, 2016		
	MW 9:00am - 12:00pm	KEY 0120	
	TuTh 9:00am - 11:30am	WDS 0124C	Lab
	Class time/details on ELMs	ONLINE	Discussion

ANTH238B **Special Topics Study Abroad II; Lived Existence: Perspective in Native American Identity**

Credits: 6 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ANTH240 **Introduction to Archaeology**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: SB, D	General Education: DSHS, DVUP

Exploration of the variety of past human societies and cultures through archaeology, from the emergence of anatomically modern humans to the more recent historical past.

WB11	Joshua Samuels **Meets May 31, 2016 - July 8, 2016** Class time/details on ELMs	Seats (Total: 30) ONLINE

ANTH260 **Introduction to Sociocultural Anthropology and Linguistics**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: SB, D	General Education: DSHS, DVUP

Culture and social relationships in a wide variety of settings from small-scale to complex societies. An overview of how anthropology analyzes human behavior. Particular attention to the relationship between language and culture.

FF61	Irene Calis **Meets August 1, 2016 - August 19, 2016** MTuWTh 10:00am - 11:45am Class time/details on ELMs *Restricted to students in Freshmen First.*	Seats (Total: 10) WDS 1130 ONLINE
HY61	Irene Calis **Meets August 1, 2016 - August 19, 2016** MTuWTh 10:00am - 11:45am Class time/details on ELMs	Seats (Total: 10) WDS 1130 ONLINE
WB11	Stanley Herman **Meets May 31, 2016 - July 8, 2016** Class time/details on ELMs	Seats (Total: 25) ONLINE

ANTH263 **Sexuality and Culture**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit		General Education: DSHS, DVUP

Credit only granted for: ANTH298K or ANTH263. Formerly: ANTH298K.

An overview of sexuality from an anthropological perspective, looking at aspects of sexuality within our own culture and in cultures around the world. Course topics include the biology and culture of sex, gender, physical attraction, sexual orientation, marriage and mating taboos, fertility control, sexually transmitted diseases, and commercial aspects of sex.

WB21	Charneka Lane	Seats (Total: 25)
	Meets July 11, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

ANTH266 **Changing Climate, Changing Cultures**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS, DVCC, SCIS

Explore past, present, and future interactions between humans and climate. Discussions, methods-oriented activities, and case study analyses provide students a foundation for appreciating the role of anthropology in understanding, responding to, and preparing for climate change.

Students who wish to register for this section after June 6, 2016, please email summer@umd.edu.

HY21	Kathleen Clendaniel	Seats (Total: 25)
	Meets July 11, 2016 - August 19, 2016	
	MW 2:00pm - 4:00pm	KEY 0124
	Class time/details on ELMs	ONLINE

ANTH298N **Special Topics in Anthropology; Lived Existence: Perspectives in Native American Identity (Brazil)**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Anthropological perspectives on selected topics of broad general interest.

Contact department for information to register for this course.

ANTH298O **Special Topics in Anthropology; Lived Existence: Perspectives in Native American Identity (brazil)**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Anthropological perspectives on selected topics of broad general interest.

Contact department for information to register for this course.

ANTH358A **Undergraduate Teaching Assistant**

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Individual instruction course: contact department or instructor to obtain section and index numbers.

Contact department for information to register for this course.

ANTH386 **Experiential Learning**

(Perm req)

Credits: 1-6

Grading Method: Regular, Pass-Fail

Recommended: Completion of advanced courses in relevant subfield of anthropology recommended. Restriction: Permission of BSOS-Anthropology department; and junior standing or higher; and must be in Anthropology program.

Approval of instructor required; check with Department for section (and index) number.

Contact department for information to register for this course.

ANTH398A **Independent Study**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Independent interdisciplinary research and reading in specific areas of anthropology.

Approval of Instructor required; check with Department for section (and index) number.

Contact department for information to register for this course.

ANTH398J **Independent Study; Archaeology Practicum**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Independent interdisciplinary research and reading in specific areas of anthropology.

Contact department for information to register for this course.

ANTH445 **Laboratory Methods in Archaeology**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ANTH496. Recommended: ANTH240.

The processing, curation, cataloging and analysis of data is an important part of any archaeology field project. Students will learn that basics of laboratory techniques necessary for the final analysis and interpretation of field data.

0401	Mark Leone	Seats (Total: 20)	
	Meets July 11, 2016 - July 29, 2016		
	MTuWThF 9:00am - 5:00pm	WDS 1124	Lab
	This lab section will work with finds from the Annapolis field school led by Leone, Deeley, Pruitt and Skolnik.		
0403	Paul Shackel	Seats (Total: 20)	
	Meets July 11, 2016 - July 29, 2016		
	MTuWThF 9:00am - 5:00pm	WDS 1125	Lab
	This lab section will work with finds from the Lattimer Field School le by Shackel.		

ANTH468P **Special Topics in Cultural Anthropology; Anthropology, War & Security**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Advanced courses in varying specialty areas of cultural anthropology that respond to new theoretical developments, faculty research interests, or specialties of visiting scholars.

Also offered as ANTH468P. Credit offered for ANTH468P or ANTH688P.

WB11	Katherine Izsak	Seats (Total: 30)
	Meets May 31, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE

ANTH473 **Native American Languages and Cultures**

Credits: 3 Grading Method: Regular

An introduction to Native American Languages and Cultures from a linguistic anthropological perspective. Topics to be explored include Native American identities, the stucture of Native languages, oral traditions, narrative story-telling, Native language and thought (Sapir/Whorf), language shift, linguistic revitalization, documentation of endangered languages, indigenous representation and appropriation, and racializing discourses.

Also offered ANTH673 and SLLC499N. Credit granted for ANTH473 or ANTH673 or SLLC499N.

WB11	Jacqueline Messing	Seats (Total: 25)
	Meets May 31, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE

ANTH476 **Senior Research**

Credits: 3-4

Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in Anthropology program. Credit only granted for: ANTH476 or ANTH486.

Capstone course in which students pursue independent research into a current problem in anthropology, selected with assistance of a committee of faculty. Research leads to the writing of a senior thesis in anthropology.

Contact department for information to register for this course.

ANTH477 **Senior Thesis**

Credits: 3-4

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ANTH476. Restriction: Permission of BSOS-Anthropology department; and must be in Anthropology program. Credit only granted for: ANTH477 or ANTH487.

Capstone course in which students write a senior thesis on independent research into a current problem in anthropology. The thesis is defined before a committee of faculty.

Contact department for information to register for this course.

ANTH486 **Honors Research**

Credits: 3-4

Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of BSOS-Anthropology department; and must be in Anthropology program; and must be admitted to University Honors Program or Anthropology Honors Program. Credit only granted for: ANTH486 or ANTH476.

Capstone course in which students pursue independent research into a current problem in anthropology, selected with assistance of a committee of faculty. Research leads to the writing of an honors thesis in anthropology.

Contact department for information to register for this course.

ANTH487 **Honors Thesis**

Credits: 3-4

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ANTH486. Restriction: Permission of BSOS-Anthropology department; and must be in Anthropology program; and must be admitted to University Honors Program or Anthropology Honors Program. Credit only granted for: ANTH487 or ANTH477.

Capstone course in which students write a thesis on the results of independent research into a current problem in anthropology.

Contact department for information to register for this course.

ANTH496 **Field Methods in Archaeology**

Credits: 6 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP, DVUP

Field training in the techniques of archaeological survey and excavation.

Also offered as ANTH696 and SUMM015.

XI11	Mark Leone **Meets May 31, 2016 - July 8, 2016** MTuWThF 8:00am - 4:00pm	Seats (Total: 24) Location: TBA
XI12	Paul Shackel **Meets May 31, 2016 - July 8, 2016** MTuWThF 8:00am - 4:00pm	Seats (Total: 6) Location: TBA

ANTH498C **Advanced Field Training in Ethnography; Brazil: Environmental Conservation & Indigenous Peoples**

Credits: 3-6 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP, DVCC

Experience in field research utilizing a variety of ethnographic method of inquiry.

Contact department for information to register for this course.

ANTH498J **Advanced Field Training in Ethnography; Jamaica: Ethnographic Fieldwork/Ethnographic Assessment and Expressive Culture**

Credits: 6 | Grading Method: Regular, Pass-Fail, Audit

Experience in field research utilizing a variety of ethnographic method of inquiry.

Contact department for information to register for this course.

ANTH498M **Advanced Field Training in Ethnography; Suriname: Ethnographic Fieldwork-National Celebration, Integration and Identity**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Experience in field research utilizing a variety of ethnographic method of inquiry.

Contact department for information to register for this course.

ANTH498W **Advanced Field Training in Ethnography; Jamaica: Connections, Celebration and Identity**

Credits: 6

Grading Method: Regular, Pass-Fail, Audit

Experience in field research utilizing a variety of ethnographic method of inquiry.

Contact department for information to register for this course.

ANTH498Y **Advanced Field Training in Ethnography; Field Methods in Public Archaeology**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Experience in field research utilizing a variety of ethnographic method of inquiry.

XI31	Mark Leone **Meets May 31, 2016 - June 17, 2016** MTuWThF 8:00am - 4:00pm *Excavations will be Annapolis and Maryland's Eastern Shore. Contact instructor regarding transportation.*	Seats (Total: 5) Location: TBA
XI33	Paul Shackel **Meets May 31, 2016 - June 17, 2016** MTuWThF 8:00am - 4:00pm *Excavation site will be near Lattimer, Pennsylvania. Students are responsible for their own transportation. Contact instructor for local housing options.*	Seats (Total: 15) Location: TBA
XI51	Mark Leone **Meets June 20, 2016 - July 8, 2016** MTuWThF 8:00am - 4:00pm *Excavations will be Annapolis and Maryland's Eastern Shore. Contact instructor regarding transportation.*	Seats (Total: 5) Location: TBA
XI53	Paul Shackel **Meets June 20, 2016 - July 8, 2016** MTuWThF 8:00am - 4:00pm *Excavation site will be near Lattimer, Pennsylvania. Students are responsible for their own transportation. Contact instructor for local housing options.*	Seats (Total: 5) Location: TBA

ANTH673 **Native American Languages and Cultures**

Credits: 3

Grading Method: Regular, Audit, Sat-Fail

An introduction to Native American Languages and Cultures from a linguistic anthropological perspective. Topics to be explored include Native American identities, the stucture of Native languages, oral traditions, narrative story-telling, Native language and thought (Sapir/Whorf), language shift, linguistic revitalization, documentation of endangered languages, indigenous representation and appropriation, and racializing discourses.

Also offered ANTH473. Credit granted for ANTH473 or ANTH673.

WB11	Jacqueline Messing	Seats (Total: 25)
	Meets May 31, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE

ANTH688A **Current Developments in Anthropology**

Credits: 3 Grading Method: Regular, Audit

Detailed investigation of a current problem or research technique, the topic to be chosen in accordance with faculty interests and student needs.

Contact department for information to register for this course.

ANTH688P **Current Developments in Anthropology; Anthropology, War & Security**

Credits: 3 Grading Method: Regular, Audit

Detailed investigation of a current problem or research technique, the topic to be chosen in accordance with faculty interests and student needs.

Also offered as ANTH468P. Credit offered for ANTH468P or ANTH688P.

WB11	Katherine Izsak	Seats (Total: 30)
	Meets May 31, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE

ANTH688Y **Current Developments in Anthropology; Field Methods in Public Archaology**

Credits: 3 Grading Method: Regular, Audit

Detailed investigation of a current problem or research technique, the topic to be chosen in accordance with faculty interests and student needs.

Excavation site will be near Lattimer, Pennsylvania. Students are responsible for their own transportation. Contact instructor for local housing options.

XI31	Mark Leone **Meets May 31, 2016 - June 17, 2016** MTuWThF 8:00am - 4:00pm	Seats (Total: 5) Location: TBA
XI33	Paul Shackel **Meets May 31, 2016 - June 17, 2016** MTuWThF 8:00am - 4:00pm	Seats (Total: 15) Location: TBA
XI51	Mark Leone **Meets June 20, 2016 - July 8, 2016** MTuWThF 8:00am - 4:00pm	Seats (Total: 5) Location: TBA
XI53	Paul Shackel **Meets June 20, 2016 - July 8, 2016** MTuWThF 8:00am - 4:00pm	Seats (Total: 5) Location: TBA

ANTH689A **Special Problems in Anthropology**

(Perm req)

Credits: 1-6 Grading Method: Regular, Sat-Fail

Approval of instructor required; check with Department for section (and index) number.

Contact department for information to register for this course.

ANTH689M **Special Problems in Anthropology; Suriname: Ethnographic Fieldwork-National Celebration, Integration and Identity**

Credits: 3 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

ANTH696 **Field Methods in Archaeology**

Credits: 6 Grading Method: Regular, Audit

Formerly: ANTH699.

Field training in the techniques of archaeological survey and excavation.

Also offered as ANTH496 and SUMM015.

XI11	Mark Leone **Meets May 31, 2016 - July 8, 2016** MTuWThF 8:00am - 4:00pm	Seats (Total: 24) Location: TBA
XI12	Paul Shackel **Meets May 31, 2016 - July 8, 2016** MTuWThF 8:00am - 4:00pm	Seats (Total: 6) Location: TBA

ANTH698C **Advanced Field Training in Ethnology; Brazil: Ethnographic Fieldwork**

Credits: 3-6 Grading Method: Regular, Audit

Experience in field research utilizing a variety of enthnographic methods of inquiry.

Contact department for information to register for this course.

ANTH698J **Advanced Field Training in Ethnology; Jamaica: Ethnographic Fieldwork/Ethnographic Assessment and Expressive Culture**

Credits: 6 Grading Method: Regular, Audit

Experience in field research utilizing a variety of enthnographic methods of inquiry.

Contact department for information to register for this course.

ANTH698W **Advanced Field Training in Ethnology; Jamaica: Connections, Celebration and Identity**

Credits: 6 Grading Method: Regular, Audit

Experience in field research utilizing a variety of enthnographic methods of inquiry.

Contact department for information to register for this course.

ANTH701 **Anthropology Internship Preparation**

Credits: 3 Grading Method: Regular, Audit

Preparation for internship includes practicum training in development, presentation and evaluation of position papers, proposals and work plans; literature search and use of secondary data sources in decision making the effect cultural analysis and resource management; ethics and professional development for work in non-academic settings.

I112	Paul Shackel **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)

ANTH712 **Anthropology Internship Analysis**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ANTH789.

The preparation and presentation of internship results, and the development of skills in report writing and presentation. Includes the completion of a professional quality report or publishable paper based on the internship experience.

Contact department for information to register for this course.

ANTH788 **Internship Research**

Credits: 1-3 Grading Method: Regular, Audit

This course augments ANTH 789 and is graded in conjunction with it.

Contact department for information to register for this course.

ANTH789 **Internship**

(Perm req)

Credits: 3-6 Grading Method: Regular, Audit

Individual instruction course supervised by a department faculty member.

Contact department for information to register for this course.

ANTH898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

ANTH899 **Doctoral Dissertation Research**

Credits: 6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

AOSC Atmospheric and Oceanic Science Summer 2016

AOSC499 **Special Problems in Atmospheric Science**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Research or special study in the field of meteorology and the atmospheric and oceanic sciences.

0108	Rachel Pinker **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0206	Ning Zeng **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 1)
0208	Rachel Pinker **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)

AOSC798 Directed Graduate Research

Credits: 1-3 Grading Method: Sat-Fail

0101	James Carton **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0103	Raghu Murtugudde **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0104	Raghu Murtugudde **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0105	Antonio Busalacchi **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0126	Da-Lin Zhang **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0203	Raghu Murtugudde **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)

0204	Raghu Murtugudde **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0205	Da-Lin Zhang **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0206	Kenneth Pickering **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0207	Zhanqing Li **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0208	Dale Allen **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0221	Ernesto Berbery **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0225	Xin-Zhong Liang **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)

AOSC898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

AOSC899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

ARAB Arabic Summer 2016

ARAB104 **Elementary Modern Standard Arabic I-II**

(Perm req)

Credits: 6

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a fluent/native speaker of Arabic.

An intensive course focusing on developing functional proficiency in th standard Arabic language, both written and formal spoken. Begins with script and phonology, and develops into a limited range of situation-based texts and topics that build vocabulary, grammar, general communicative competence and cultural awareness.

Registration limited to students accepted into the Summer Language Institute.

Click here for more course information.

XL11	Ahmed Hanafy	Seats (Total: 15)
	Meets June 1, 2016 - July 1, 2016	
	MTuWThF 9:00am - 5:00pm	SQH 1119

ARAB105 **Elementary Modern Standard Arabic III-IV**

(Perm req)

Credits: 6

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARAB104; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a fluent/native speaker of Arabic.

Continuation of ARAB104, developing further linguistic proficiency in Standard Arabic, both written and formal spoken. Covers an extended range of situation-based texts and topics that build vocabulary, grammar, general communicative competence and cultural awareness.

Registration limited to students accepted into the Summer Language Institute.

Click here for more course information.

XL21	Ahmed Hanafy	Seats (Total: 15)
	Meets July 5, 2016 - August 5, 2016	
	MTuWThF 9:00am - 5:00pm	SQH 1119

ARAB204 **Intermediate Modern Standard Arabic I**

(Perm req)

Credits: 6

Grading Method: Regular, Pass-Fail, Audit

CORE: HO

Prerequisite: ARAB105; and must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a fluent/native speaker of Arabic.

Covers topics related to contemporary Arabic society, literature and culture in standard written and formal spoken Arabic. Acquisition of more complex grammatical structures, expanding vocabulary, and reading, to develop a better understanding of the formal aspects of using MSA.

Registration limited to students accepted into the Summer Language Institute.

Click here for more course information.

XL11	Lutf Alkebsi	Seats (Total: 15)
	Meets June 1, 2016 - July 1, 2016	
	MTuWThF 9:00am - 5:00pm	SQH 1121

ARAB205 **Intermediate Modern Standard Arabic II**

(Perm req)

Credits: 6 Grading Method: Regular, Pass-Fail, Audit CORE: HO

Prerequisite: ARAB204; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a fluent/native speaker of Arabic.

Continuation of ARAB204, with exposure to a wide range of Arabic texts from different domains. Focus on vocabulary, more complex grammatical forms, and a better understanding of the formal aspects of using MSA as well as the cultural aspects of using the language.

Registration limited to students accepted into the Summer Language Institute.

Click here for more course information.

XL21	Lutf Alkebsi	Seats (Total: 15)
	Meets July 5, 2016 - August 5, 2016	
	MTuWThF 9:00am - 5:00pm	SQH 1121

ARAB315 **Intensive Advanced Arabic I**

(Perm req)

Credits: 6 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARAB205; or permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Must not have completed ARAB304.

Intensive training in written and spoken Arabic at the Advanced-low level of proficiency. Additional intensive training in effective listening and reading skills. Substantial cultural component exploring traditions and customs of the Middle East in addition to current social issues.

Registration limited to students accepted into the Summer Language Institute.

Click here for more course information.

XL11	Nahla Elsenousy Gaber	Seats (Total: 15)
	Meets June 1, 2016 - July 1, 2016	
	MTuWThF 9:00am - 5:00pm	SQH 1111

ARAB316 **Intensive Advanced Arabic II**

(Perm req)

Credits: 6 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARAB304 or ARAB315; or permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Must not have completed ARAB305. Credit only granted for: ARAB305 or ARAB316.

Intensive training in written and spoken Arabic at the Advanced-mid level of proficiency. Additional training in effective listening and reading skills. Substantial cultural component exploring traditions and customs of the Middle East in addition to current social issues.

Registration limited to students accepted into the Summer Language Institute.

Click here for more course information.

XL21	Nahla Elsenousy Gaber	Seats (Total: 15)
	Meets July 5, 2016 - August 5, 2016	
	MTuWThF 9:00am - 5:00pm	SQH 1111

ARCH Architecture Summer 2016

ARCH150 **Discovering Architecture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Permission of ARCH-Architecture Program.

Introduction to architecture and design studio education. The course examines fundamental design principles and skills related to architecture. The design studio projects apply ideas and concepts introduced in lectures, readings and on site visits. The design studio projects are both analytic and synthetic in nature. The explicit goals of the course are: To explore the discipline of architecture; To promote visual thinking and representational skills; To develop analytic design thinking skills; To learn some of the conventions of architectural representation; To enhance cultural awareness of architecture and design.

Students learn about careers in architecture, landscape architecture and urban planning. Architecture faculty teach basic design principles that students use to complete their own design project in a design studio environment.

YS41	Michael Ambrose	Seats (Total: 27)
	Meets July 11, 2016 - July 29, 2016	
	MTuWThF 9:30am - 4:30pm	ARC 0204
	This section is part of Terp Young Scholars. Enrollment by permission only.	

ARCH223 **History of Non-Western Architecture**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HA, D

Survey of non-western architectural history, including prehistoric and vernacular; ancient civilizations and the Indus valley; the Islamic world; Hindu and Buddhist traditions of Asia; and pre-European Africa and the Americas.

0201	Robert Vann	Seats (Total: 15)
	Meets July 11, 2016 - August 19, 2016	
	MW 5:30pm - 10:00pm	ARC 1101

ARCH242 **Basic Architectural Drawing**

Credits: 3 | Grading Method: Regular

Prerequisite: ARCH170; or ARCH171.

Study of drawing as a learned skill with emphasis on observation, documentation, analysis, and synthesis. This introductory course immerses students in visual thinking and learning how to see through drawing. The course explores the traditional conventions of architectural drawing (orthographics, isometrics, axonometrics, and linear perspective) as well as abstract and pictorial visualization techniques primarily through freehand drawing and sketching.

0101	Michael Abrams	Seats (Total: 20)
	Meets May 31, 2016 - July 8, 2016	
	TuTh 1:00pm - 4:10pm	ARC 1103

ARCH386 **Experiential Learning**

Credits: 3-6 | Grading Method: Regular, Pass-Fail | General Education: DSSP

Restriction: Must have learning proposal approved by faculty sponsor and student's internship sponsor; and sophomore standing or higher; and permission of ARCH-Architecture Program.

Learning experience tied to internship of specified duration with targeted learning outcomes.

0101	Michael Brick	Seats (Total: 5)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	
0201	Michael Brick	Seats (Total: 5)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	

ARCH419 **Independent Studies in Architectural Technology**

Credits: 1-4 Grading Method: Regular, Pass-Fail, Audit

Proposed work must have a faculty sponsor and receive approval of the Architecture Program Curriculum Committee.

I210	Michael Brick	Seats (Total: 1)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	

ARCH428G **Selected Topics in Architectural History; Greek and Roman Cities of Southern Turkey**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected Topics in Architectural History

Contact department for information to register for this course.

ARCH428M **Selected Topics in Architectural History; The Architecture of Ancient Greece**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected Topics in Architectural History

Contact department for information to register for this course.

ARCH428P **Selected Topics in Architectural History; Domestic Architecture in Pompeii**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected Topics in Architectural History

Contact department for information to register for this course.

ARCH428Q **Selected Topics in Architectural History; Italy: Archaeological Investigations in the Vesuvian Region**

Credits: 1

Grading Method: Regular, Pass-Fail, Audit

Selected Topics in Architectural History

Contact department for information to register for this course.

ARCH428T **Selected Topics in Architectural History; History of the Turkish Architecture**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Selected Topics in Architectural History

Contact department for information to register for this course.

ARCH428V **Selected Topics in Architectural History; In the Shadow of Vesuvius: Architectural Recording for Archaeology: Italy**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Selected Topics in Architectural History

Contact department for information to register for this course.

ARCH428Y **Selected Topics in Architectural History; Archaeological Investigations in Roman Turkey**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Selected Topics in Architectural History

Contact department for information to register for this course.

ARCH429A **Independent Studies in Architectural History; Ancient Turkish Water Systems**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Proposed work must have a faculty sponsor and receive approval of the Architecture Program Curriculum Committee.

Contact department for information to register for this course.

ARCH470 **Computer Applications in Architecture**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARCH400; or permission of ARCH-Architecture Program. Restriction: Must be in Architecture (B.S.) program.

Introduction to computer utilization, with emphasis on architectural applications.

0101	Brent White	Seats (Total: 15)
	Meets May 31, 2016 - July 8, 2016	
	MW 6:00pm - 9:30pm	ARC 1115

ARCH478F **Selected Topics in Architecture; Building Scandanavia: Craft and Culture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected Topics in Architecture

Contact department for information to register for this course.

ARCH478R **Selected Topics in Architecture; Architectural Drawings II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected Topics in Architecture

Contact department for information to register for this course.

ARCH478Z **Selected Topics in Architecture; Scandinavia: Culture and Place**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected Topics in Architecture

Contact department for information to register for this course.

ARCH483 **Field Archaeology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Permission of ARCH-Architecture Program.

Participation in field archaeology with an excavation officially recognized by proper authorities of local government.

Contact department for information to register for this course.

ARCH628G **Selected Topics in Architectural History; Greek and Roman Cities of Southern Turkey**

Credits: 3 Grading Method: Regular, Audit

Graduate Selected Topics in Architectural History

Contact department for information to register for this course.

ARCH628M **Selected Topics in Architectural History; The Architecture of Ancient Greece**

Credits: 3 Grading Method: Regular, Audit

Graduate Selected Topics in Architectural History

Contact department for information to register for this course.

ARCH628P **Selected Topics in Architectural History; Domestic Architecture in Pompeii**

Credits: 3 Grading Method: Regular, Audit

Graduate Selected Topics in Architectural History

Contact department for information to register for this course.

ARCH628Q **Selected Topics in Architectural History; Italy: Archaeological Investigations in the Vesuvian Region**

Credits: 1 Grading Method: Regular, Audit

Graduate Selected Topics in Architectural History

Contact department for information to register for this course.

ARCH628T **Selected Topics in Architectural History; History of the Turkish Architecture**

Credits: 3 Grading Method: Regular, Audit

Graduate Selected Topics in Architectural History

Contact department for information to register for this course.

ARCH628V **Selected Topics in Architectural History; In the Shadow of Vesuvius: Architectural Recording for Archaeology: Italy**

Credits: 3 Grading Method: Regular, Audit

Graduate Selected Topics in Architectural History

Contact department for information to register for this course.

ARCH628Y **Selected Topics in Architectural History; Archaeological Investigations in Roman Turkey**

Credits: 3 Grading Method: Regular, Audit

Graduate Selected Topics in Architectural History

Contact department for information to register for this course.

ARCH671 **BIM Technology and Processes in Architecture**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ARCH403; and ARCH470. Or students who have taken courses with comparable content may contact the department. Credit only granted for: ARCH678I or ARCH670. Formerly: ARCH678I.

Building Information Modeling is examined in depth relative to Integrated Project Delivery methods as pertains to collaboration and communication in the design and construction of buildings and building systems. Practical and empirical learning using BIM software and case studies of real world projects and construction scenarios.

0601	Kristen Ambrose	Seats (Total: 25)
	Meets August 1, 2016 - August 19, 2016	
	MTuWTh 6:30pm - 9:00pm Sa 9:00am - 4:00pm	ARC 1115 Location: TBA

ARCH678F **Selected Topics in Architecture; Building Scandanavia: Craft and Culture**

Credits: 3 Grading Method: Regular, Audit

Graduate Selected Topics in Architecture.

Contact department for information to register for this course.

ARCH678K **Selected Topics in Architecture; Scandinavia: Culture and Place**

Credits: 3 Grading Method: Regular, Audit

Graduate Selected Topics in Architecture.

Contact department for information to register for this course.

ARCH678R **Selected Topics in Architecture; Drawing II: Architectural Representation**

Credits: 3 Grading Method: Regular, Audit

Graduate Selected Topics in Architecture.

Contact department for information to register for this course.

AREC Agricultural and Resource Economics Summer 2016

AREC386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Prerequisite: Permission of AGNR-Agricultural & Resource Economics department. Restriction: Junior standing or higher.

0101	Robert Chambers **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0112	Howard Leathers **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0115	Lars Olson **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0116	Marc Nerlove **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0119	Dale Johnson **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0123	James Hanson **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0201	Robert Chambers **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0212	Howard Leathers **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)

0215	Lars Olson **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0216	Marc Nerlove **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0223	James Hanson **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)

AREC399 **Special Problems**

Credits: 1-2 Grading Method: Regular, Pass-Fail, Audit

Concentrated reading and study in some phase of a problem in agricultural and/or natural resource economics.

0101	Robert Chambers **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 20)
0112	Howard Leathers **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 20)
0115	Lars Olson **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 20)
0116	Marc Nerlove **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 20)
0201	Robert Chambers **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 20)
0212	Howard Leathers **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 20)

0215	Lars Olson **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 20)
0216	Marc Nerlove **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 20)

AREC699 **Special Problems in Agricultural and Resource Economics**

Credits: 1-2 Grading Method: Regular, Audit

Intensive study and analysis of specific problems in the field of agricultural and resource economics, providing in-depth information in areas of special interest to the student.

0101	Robert Chambers **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 20)
0102	Lori Lynch **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 20)
0111	Richard Just **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 20)
0112	Howard Leathers **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 20)
0113	Erik Lichtenberg **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 20)
0115	Lars Olson **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 20)
0116	Marc Nerlove **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 20)

0120	Anna Alberini **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 20)
0122	Roberton Williams **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0123	James Hanson **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0126	Kenneth Leonard **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0130	David Newburn **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0151	Pamela Jakiela **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0152	Sebastien Houde **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0154	Jorge Holzer Bilbao **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0156	Snaebjorn Gunnsteinsson **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0157	Mary Zaki **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)

0158	Stephen Salant **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0201	Robert Chambers **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 20)
0202	Lori Lynch **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 20)
0211	Richard Just **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 20)
0212	Howard Leathers **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 20)
0213	Erik Lichtenberg **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 20)
0215	Lars Olson **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 20)
0216	Marc Nerlove **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 20)
0220	Anna Alberini **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 20)
0222	Roberton Williams **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)

0223	James Hanson **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0226	Kenneth Leonard **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0230	David Newburn **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0251	Pamela Jakiela **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 20)
0252	Sebastien Houde **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0254	Jorge Holzer Bilbao **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0256	Snaebjorn Gunnsteinsson **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0257	Mary Zaki **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0258	Stephen Salant **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)

AREC799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

0101	Robert Chambers **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 20)
0102	Lori Lynch **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 20)
0111	Richard Just **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 20)
0112	Howard Leathers **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 20)
0113	Erik Lichtenberg **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 20)
0115	Lars Olson **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 20)
0116	Marc Nerlove **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 20)
0120	Anna Alberini **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 20)
0122	Roberton Williams **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0123	James Hanson **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)

0126	Kenneth Leonard **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0130	David Newburn **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0151	Pamela Jakiela **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 20)
0152	Sebastien Houde **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0154	Jorge Holzer Bilbao **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0156	Snaebjorn Gunnsteinsson **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0201	Robert Chambers **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 20)
0202	Lori Lynch **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 20)
0211	Richard Just **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 20)
0212	Howard Leathers **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 20)

0213	Erik Lichtenberg **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 20)
0215	Lars Olson **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 20)
0216	Marc Nerlove **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 20)
0220	Anna Alberini **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 20)
0222	Roberton Williams **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0223	James Hanson **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0226	Kenneth Leonard **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 20)
0230	David Newburn **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 20)
0251	Pamela Jakiela **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 20)
0252	Sebastien Houde **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)

0254	Jorge Holzer Bilbao **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0256	Snaebjorn Gunnsteinsson **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)

AREC898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular, Sat-Fail

0104	Robert Chambers **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 2)
0105	Richard Just **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 1)
0112	Howard Leathers **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 1)
0130	David Newburn **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 20)
0135	Erik Lichtenberg **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 1)
0137	Anna Alberini **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 2)
0138	Kenneth Leonard **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 2)

0140	Lori Lynch **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 2)
0143	Lars Olson **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 2)
0144	Marc Nerlove **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 2)
0145	Maureen Cropper **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 2)
0148	James Hanson **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0150	Roberton Williams **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0151	Pamela Jakiela **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 20)
0152	Sebastien Houde **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0154	Jorge Holzer Bilbao **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0156	Snaebjorn Gunnsteinsson **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)

0157	Mary Zaki **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0158	Stephen Salant **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0204	Robert Chambers **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0205	Richard Just **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 1)
0212	Howard Leathers **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 1)
0230	David Newburn **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 20)
0235	Erik Lichtenberg **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 20)
0237	Anna Alberini **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 2)
0238	Kenneth Leonard **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 2)
0240	Lori Lynch **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 2)

0243	Lars Olson **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 2)
0244	Marc Nerlove **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 2)
0245	Maureen Cropper **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 2)
0248	James Hanson **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0250	Roberton Williams **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0251	Pamela Jakiela **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 20)
0252	Sebastien Houde **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0254	Jorge Holzer Bilbao **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0256	Snaebjorn Gunnsteinsson **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0257	Mary Zaki **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)

0258	Stephen Salant	Seats (Total: 5)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	

AREC899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

0101	Robert Chambers	Seats (Total: 20)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	
0102	Lori Lynch	Seats (Total: 20)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	
0111	Richard Just	Seats (Total: 20)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	
0112	Howard Leathers	Seats (Total: 20)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	
0113	Erik Lichtenberg	Seats (Total: 20)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	
0115	Lars Olson	Seats (Total: 20)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	
0116	Marc Nerlove	Seats (Total: 20)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	
0120	Anna Alberini	Seats (Total: 20)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	

0122	Roberton Williams **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0123	James Hanson **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0126	Kenneth Leonard **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0130	David Newburn **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 20)
0139	Maureen Cropper **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0151	Pamela Jakiela **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 20)
0152	Sebastien Houde **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0154	Jorge Holzer Bilbao **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0156	Snaebjorn Gunnsteinsson **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0157	Mary Zaki **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)

0158	Stephen Salant **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0201	Robert Chambers **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 20)
0202	Lori Lynch **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 20)
0211	Richard Just **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 20)
0212	Howard Leathers **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 20)
0213	Erik Lichtenberg **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 20)
0215	Lars Olson **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 20)
0216	Marc Nerlove **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 20)
0220	Anna Alberini **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 20)
0222	Roberton Williams **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)

0223	James Hanson **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0226	Kenneth Leonard **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0230	David Newburn **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 20)
0239	Maureen Cropper **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0240	Peter Cramton **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0251	Pamela Jakiela **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 20)
0252	Sebastien Houde **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0254	Jorge Holzer Bilbao **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0256	Snaebjorn Gunnsteinsson **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0257	Mary Zaki **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)

0258	Stephen Salant	Seats (Total: 5)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	

ARHU Arts and Humanities Summer 2016

ARHU269I **Special Topics in Study Abroad II; James Joyce's Dublin: Creative Writing with The Dubliners: Ireland**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ARHU269V **Special Topics in Study Abroad II; Vienna and Budapest Field Study**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ARHU286 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Prerequisite: Permission of ARHU-College of Arts & Humanities. Restriction: Minimum cumulative GPA of 2.5; and must be in a major in ARHU-College of Arts & Humanities; and must have earned a minimum of 12 credits.

Designed for ARHU students who wish to complete an internship in one of the academic fields covered within the College of Arts and Humanities. In addition to completing their required hours on site, students will be required to attend four weekly seminars at the beginning of the semester to help develop their para-professional goals and understandings.

0101	Paula Nadler	Seats (Total: 5)
	Meets May 31, 2016 - August 19, 2016	
	Contact instructor or department for details.	
I101	Paula Nadler	Seats (Total: 5)
	Meets May 31, 2016 - August 19, 2016	
	Contact instructor or department for details.	

ARHU298J **Special Problems in Arts and Humanities; Creative Writing Workshop**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Students will read great poems and stories from across cultures and engage in related writing exercises. Students will share their own original writing in a supportive workshop setting, discover new approaches to revision.

YS41	Vivianne Salgado, Zein El-Amine	Seats (Total: 14)
	Meets July 11, 2016 - July 29, 2016	
	MTuWThF 9:30am - 12:30pm	TWS 1105
	This section is part of Terp Young Scholars. Enrollment by permission only.	

ARHU338 **Undergraduate Teaching Assistantship in a Living Learning Program**

(Perm req)

Credits: 3 Grading Method: Regular

Offers exceptional students the opportunity to work closely with a faculty member and gain valuable experience. ARHU Living learning program UTAs also serve as peer mentors and program leaders. They assist with course planning, research, and student advising (as appropriate). We are also allowing for variable credit (1-3 cr hrs).

0201	Vivianne Salgado	Seats (Total: 10)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	

ARHU351 **James Joyce's Dublin: A multi-media Odyssey**

Credits: 3 Grading Method: Regular, Sat-Fail General Education: DSHU

Credit only granted for: ARHU369I, ARHU351, ENGL369L, or HONR349L. Formerly: ARHU369I.

Chapter by chapter analysis of the text with in situ tours to settings important to the book, and examination of the culture and circumstances from which it arose; review of the impact of Ulysses, and continuing controversies around the text. Multi-media explorations and creative projects will be included in course activities: collaborations on tumblr, and the use of such technologies as vine, instagram, twitter, etc., in an exploration of how our subjective experiences and the expressions they inspire are impacted by new technologies.

Contact department for information to register for this course.

ARHU386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail General Education: DSSP

Prerequisite: Permission of ARHU-College of Arts & Humanities. Restriction: Junior standing or higher.

0101	Paula Nadler **Meets May 31, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
I101	Paula Nadler **Meets May 31, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 20)

ARHU486 **Internship Practicum in Arts and Humanities**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Prerequisite: Have completed previous internship at U of MD. Restriction: Must be in a major in ARHU-College of Arts & Humanities; and permission of ARHU-College of Arts & Humanities; and minimum cumulative GPA of 2.5; and must have earned a minimum of 60 credits; and completed 12 credits at U of MD.

An internship intended for students who have already completed an internship for credit. ARHU486 must be a different experience from the internship students have already taken for credit. Generally students intern with a different company, but they may continue working for the same company if the job is significantly different. See ARHU internship coordinator for details.

0101	Paula Nadler **Meets May 31, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
I101	Paula Nadler **Meets May 31, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 20)

ARHU489 **Advanced Internship Practicum in ARHU**

Credits: 3-6 Grading Method: Regular, Pass-Fail

Designed for students who have already completed at least 2 upper level internship courses for academic credit. It is an advanced practicum to assist students in continuing to develop and hone their professional writing, presentation and analytical skills.

0101	Paula Nadler **Meets May 31, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)

I101	Paula Nadler	Seats (Total: 5)
	Meets May 31, 2016 - August 19, 2016	
	Contact instructor or department for details.	

ARTH Art History & Archaeology Summer 2016

ARTH169A **Special Topics in Study Abroad I; Roman Archeology on-site**

Credits: 1-6
Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ARTH169I **Special Topics in Study Abroad I; Art of Rome**

Credits: 3
Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ARTH269P **Special Topics in Study Abroad II; From Medieval to Contemporary: Exploring the Great Art and Architecture of Prague**

Credits: 3
Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ARTH269R **Special Topics in Study Abroad II; Art of Renaissance**

Credits: 3
Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ARTH350 **Twentieth-Century Art to 1945**

Credits: 3
Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARTH201.

Painting, sculpture, and architecture in Europe and America from the late nineteenth century to the end of World War II.

0101	Bart Pushaw	Seats (Total: 30)
	Meets May 31, 2016 - July 8, 2016	
	MTuWTh 9:00am - 11:00am	ASY 3215

ARTH359F **Film as Art; Coen Brothers: Genre Film in a Post-Ironic Age**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The study of film as a visual art, from theoretical, cultural and aesthetic perspectives. Content varies by semester.

WB10	Greg Metcalf	Seats (Total: 30)
	Meets May 31, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE

ARTH361 **American Art Since 1876**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Painting, sculpture, architecture, and the decorative arts in North America after 1876.

WB21	Abby Eron	Seats (Total: 30)
	Meets July 11, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

ARTH498 **Directed Studies in Art History I**

(Perm req)

Credits: 2-3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

ARTH499 **Honors Thesis**

(Perm req)

Credits: 2-3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

ARTH798 **Directed Graduate Studies in Art History**

Credits: 3 Grading Method: Regular, Audit

Contact department for information to register for this course.

ARTH799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

ARTH898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

ARTH899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

ARTT Art Studio Summer 2016

ARTT110 **Elements of Drawing I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Fundamental concepts, media, and processes of drawing. Emphasis on observation and representation in combination with individual expression. Subject matter includes still life, human figure, nature, the built environment, and conceptual projects.

Students must pay a $40.00 materials fee.

0101	Matthew McLaughlin **Meets May 31, 2016 - July 8, 2016** MTuWTh 9:00am - 12:15pm	Seats (Total: 7) ASY 2317	Lab
0201	Matthew McLaughlin **Meets July 11, 2016 - August 19, 2016** MTuWTh 9:00am - 12:15pm	Seats (Total: 15) ASY 2317	Lab

ARTT169P **Special Topics in Study Abroad I; Studio Art I: Drawing and Painting Italy**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ARTT208W **Intermediate Special Topics in Art; Introduction to Watercolor and Water Based Media**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Development of student's work on an intermediate studio level within the context of a special topic.

There is a special fee of $40.00 required for this course.

0301	Richard Klank	Seats (Total: 9)	
	Meets May 31, 2016 - June 17, 2016		
	MTuWTh 12:30pm - 6:45pm	ASY 2315	Lab

ARTT210 **Elements of Drawing II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARTT110.

Continuation of ARTT110 with additional emphasis on color, figure drawing, and contemporary issues.

Students must pay a $40.00 materials fee.

0101	Matthew McLaughlin	Seats (Total: 7)	
	Meets May 31, 2016 - July 8, 2016		
	MTuWTh 9:00am - 12:15pm	ASY 2321	Lab
0201	Matthew McLaughlin	Seats (Total: 8)	
	Meets July 11, 2016 - August 19, 2016		
	MTuWTh 9:00am - 12:15pm	ASY 2317	Lab

ARTT255 **Introduction to Digital Art and Design Processes**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARTT100 and ARTT110. Credit only granted for: ARTT255 or ARTT354. Formerly: ARTT354.

Introduction to basic software and principles of digital imaging, and how they are applied to art and design. Topics covered: Digital image construction and manipulation, Vector-Based digital techniques layout, typography, etc), time-based digital techniques (video and audio composition and manipulation), and basic interactivity (web-design). Digital media used to explore visual principles established in ARTT100.

Students must pay a $40.00 materials fee.

0301	Narendra Ratnapala	Seats (Total: 10)	
	Meets May 31, 2016 - June 17, 2016		
	MTuWTh 9:00am - 3:15pm	ASY 3311E	

ARTT269I **Special Topics in Study Abroad II; Studio Art II: Drawing and Painting Italy**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ARTT333 **Elements of Sculpture: Wood and Mixed Media**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.

Sculptural concepts and fundamental processes using wood and mixed media.

Students must pay a $40.00 laboratory studio fee.

0101	Zac Benson	Seats (Total: 12)	
	Meets May 31, 2016 - July 8, 2016		
	MTuWTh 3:15pm - 6:30pm	ASY 1311	Lab

ARTT353 **Elements of Photography**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.

Introduction to black-and-white photography. Basic technical and aesthetic vocabulary, camera mechanics and darkroom techniques. Introduction to the photographic message and meaning in both fine art and design concept.

Students must pay a $40.00 materials fee.

Contact department for information to register for this course.

ARTT369A **Special Topics in Study Abroad III; Focus: Introduction to Digital Photography as Fine Art**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ARTT369D **Special Topics in Study Abroad III; Design: London**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ARTT369L **Special Topics in Study Abroad III; Writing with Light**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ARTT369T **Special Topics in Study Abroad III; Travel Photography**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ARTT386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Prerequisite: Permission of ARHU-Art department. Restriction: Junior standing or higher.

Contact department for information to register for this course.

ARTT409L **Study Abroad Special Topics IV; Design, Art and Culture: London**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ARTT418 **Advanced Drawing Studio**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Multi-level drawing studio emphasizing advanced concepts and processes related to drawing; emphasis on contemporary art issues and individual directions.

Students must pay a $40.00 materials fee.

0101	Matthew McLaughlin **Meets May 31, 2016 - July 8, 2016** MTuWTh 9:00am - 12:15pm	Seats (Total: 8) ASY 2321	 Lab
0201	Matthew McLaughlin **Meets July 11, 2016 - August 19, 2016** MTuWTh 9:00am - 12:15pm	Seats (Total: 8) ASY 2317	 Lab

ARTT418B **Advanced Drawing Studio; Focus on Watercolor Wash**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Multi-level drawing studio emphasizing advanced concepts and processes related to drawing; emphasis on contemporary art issues and individual directions.

Students must pay a $40.00 materials fee.

0301	Richard Klank **Meets May 31, 2016 - June 17, 2016** MTuWTh 12:30pm - 6:45pm	Seats (Total: 18) ASY 2315	 Lab

ARTT428A **Advanced Painting Studio; Water Color and Water Based Media**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Multi-level painting studio emphasizing advanced concepts and processes related to oil and acrylic painting; emphasis on contemporary art issues and individual directions in chosen media.

There is a special fee of $40.00 required for this course.

0301	Richard Klank **Meets May 31, 2016 - June 17, 2016** MTuWTh 1:00pm - 6:00pm	Seats (Total: 9) ASY 2315	

ARTT438D **Advanced Sculpture Studio; Wood and Mixed Media**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Multi-level sculpture studio; continuation of media-specific sculpture courses with emphasis on contemporary art issues and individual directions in chosen media.

Students must pay a $40.00 laboratory studio fee.

0101	Zac Benson	Seats (Total: 2)	
	Meets May 31, 2016 - July 8, 2016		
	MTuWTh 3:15pm - 6:30pm	ASY 1311	Lab

ARTT460 **Seminar in Art Theory**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Senior standing.

Exploration of relationship between content and processes of art in a contemporary multi-cultural context.

Contact department for information to register for this course.

ARTT479B **Advanced Digital Media Studio; Introduction to Digital Video Production**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Variable multi-level studio emphasizing advanced concepts and processes related to time-based, projection, installation, interactive, and audio/visual integrated digital art. Emphasis on contemporary art issues and individual directions.

Students must pay a $40.00 materials fee. The primary focus of this course is an introduction to video production.Students will learn principles of pre-production, and post-production. Aesthetics, theory, and practical aspects will be examined in the context of short film/documentary production.

0301	Narendra Ratnapala	Seats (Total: 10)	
	Meets May 31, 2016 - June 17, 2016		
	MTuWTh 9:00am - 3:15pm	ASY 3311E	

ARTT498A **Directed Studies in Studio Art**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced independent work in Studio Art. Meeting with faculty and studi time arranged.

Students must pay a $40.00 materials fee.

Contact department for information to register for this course.

ARTT628 **Painting**

Credits: 3 | Grading Method: Regular, Audit

Graduate painting for advanced special students.

There is a $60 lab fee for this course.

0301	Richard Klank	Seats (Total: 5)
	Meets May 31, 2016 - June 17, 2016	
	MTuWTh 1:00pm - 6:00pm	ASY 2315

ARTT698W **Directed Graduate Studies in Studio Art; Water Color and Water Based Media**

Credits: 3 | Grading Method: Regular, Audit

Independent work. Meetings with faculty and studio time arranged.

There is a special fee of $60.00 required for this course.

0301	Richard Klank	Seats (Total: 5)
	Meets May 31, 2016 - June 17, 2016	
	MTuWTh 1:00pm - 6:00pm	ASY 2315

ASTR Astronomy Summer 2016

ASTR100 **Introduction to Astronomy**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: PS | General Education: DSNS

Credit only granted for: ASTR100, ASTR101, or ASTR120.

An elementary course in descriptive astronomy, especially appropriate for non-science students. Topics include the Sun, Moon, planets, stars, and nebulae, galaxies, and evolution of the Universe.

0201	James Hunt	Seats (Total: 20)
	Meets July 11, 2016 - August 19, 2016	
	MTuWThF 9:30am - 10:50am	CSS 2400

ASTR101 **General Astronomy**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: PL | General Education: DSNL

Credit only granted for: ASTR100, ASTR101, or ASTR120.

Descriptive astronomy, appropriate for non-science majors. Sun, moon, planets, stars, nebulae, galaxies and evolution. Laboratory exercises include use of photographic material, computer simulations, and standard laboratory equipment.

Students must pay a $50.00 Laboratory Materials fee.

0201	James Hunt	Seats (Total: 20)	
	Meets July 11, 2016 - August 19, 2016		
	MTuWThF 9:30am - 10:50am	CSS 2400	
	TuTh 11:00am - 1:00pm	CSS 0254	Lab

ASTR288 **Special Projects in Astronomy**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Independent study, short research projects, tutorial reading, and assisting with faculty research and teaching under special supervision.

0129	Melissa Hayes-Gehrke	Seats (Total: 5)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	

ASTR699 **Special Problems in Advanced Astronomy**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

ASTR799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

0122	Sylvain Veilleux	Seats (Total: 5)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	

ASTR898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

ASTR899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

BCHM Biochemistry Summer 2016

BCHM461 **Biochemistry I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in CHEM271 and CHEM272; or minimum grade of C- in CHEM276 and CHEM277. Credit only granted for: BCHM461 or BCHM463.

First semester of a comprehensive introduction to modern biochemistry. Structure, chemical properties, and function of proteins and enzymes, carbohydrates, lipids, and nucleic acids. Basic enzyme kinetics and catalytic mechanisms.

0101	Christopher Capp	Seats (Total: 100)
	Meets May 31, 2016 - July 8, 2016	
	MTuWThF 9:30am - 10:50am	CHM 1407

BCHM462 **Biochemistry II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in BCHM461. Credit only granted for: BCHM462 or BCHM463.

A continuation of BCHM 461. Metabolic pathways and metabolic regulation energy transduction in biological systems, enzyme catalytic mechanisms.

0201	Douglas Julin	Seats (Total: 100)
	Meets July 11, 2016 - August 19, 2016	
	MTuWThF 9:30am - 10:50am	CHM 1407

BCHM463 **Biochemistry of Physiology**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Minimum grade of C- in CHEM271 and CHEM272; or minimum grade of C- in CHEM276 and CHEM277. Credit only granted for: BCHM461, BCHM462 or BCHM463.

A one-semester introduction to general biochemistry. A study of protein structure, enzyme catalysis, metabolism, and metabolic regulation with respect to their relationship to physiology.

0201	Christiana Addei-Maanu	Seats (Total: 50)
	Meets July 11, 2016 - August 19, 2016	
	MTuWThF 9:30am - 10:50am	CHM 1402

BCHM699 **Special Problems in Biochemistry**

Credits: 1-6 Grading Method: Regular, Audit

Laboratory experience in a research environment. Restricted to students in the non-thesis M.S. option.

Contact department for information to register for this course.

BCHM799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

BCHM898 **Pre-Candidacy Research**

Credits: 1 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

BCHM899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

BEES Behavior, Ecology, Evolution and Systematics Summer 2016

BEES799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

BEES899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

0101	Instructor: TBA	Seats (Total: 20)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	

0200	Michele Dudash **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0201	Instructor: TBA **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 20)
0210	Charles Fenster **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0230	Bill Fagan **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0260	Margaret Palmer **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)

BIOE Bioengineering Summer 2016

BIOE120 **Biology for Engineers**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of ENGR-Fischell Department of Bioengineering department.

Introduction to the functions and interactions of biological systems from a quantitative perspective. Introduction to the modern experimental techniques and methods of data analysis. Roles for bioengineers in biology, and the role of biology in bioengineering will be elucidated.

0101	Angela Jones **Meets May 31, 2016 - July 8, 2016** MWF 1:00pm - 3:40pm	Seats (Total: 40) CHE 2136

BIOE160 **Biopharmaceutical Production**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of ENGR-Fischell Department of Bioengineering department; and must be in the Young Scholars Program. Credit only granted for: BIOE168 or BIOE160. Formerly: BIOE168.

Focuses on the basics of recombinant DNA technology as applied to biopharmaceutical manufacturing in a classroom setting. Students will work through a "production campaign" including all key steps of manufacturing a protein product.

YS41	Ben Woodard, Kevin Knapstein	Seats (Total: 18)	
	Meets July 11, 2016 - July 29, 2016		
	MTuWThF 9:00am - 9:50am	CHE 2118	
	MTuWThF 10:00am - 12:50pm	CHE 1203	Lab
	This section is part of Terp Young Scholars. Enrollment by permission only.		
YS42	Ben Woodard, Kevin Knapstein	Seats (Total: 17)	
	Meets July 11, 2016 - July 29, 2016		
	MTuWThF 9:00am - 9:50am	CHE 2118	
	MTuWThF 2:00pm - 4:50pm	CHE 1203	Lab
	This section is part of Terp Young Scholars. Enrollment by permission only.		

BIOE331 **Biofluids**

Credits: 3 Grading Method: Regular

Prerequisite: MATH246, BIOE120, BIOE121, and BIOE241; and must have completed or be concurrently enrolled in BIOE232. Restriction: Must be in Engineering: Bioengineering program; and permission of ENGR-Fischell Department of Bioengineering department. Credit only granted for: BIOE331, ENCE305, or ENME331.

Principles and applications of fluid mechanics with a focus on bioengineering topics. Content includes conservation of mass, momentum, and energy, as well as the application of these fundamental relations to hydrostatics, control volume analysis, internal and external flow, and boundary layers. Applications to biological and bioengineering problems such as tissue engineering, bioprocessing, imaging, and drug delivery.

0201	Jose Aranda-Espinoza	Seats (Total: 30)	
	Meets July 11, 2016 - August 19, 2016		
	TuWTh 9:30am - 12:00pm	SPH 0302	

BIOE399 **Independent Study in Bioengineering**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Independent study.

Contact department for information to register for this course.

BIOE399H **Independent Study in Bioengineering**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Independent study.

Contact department for information to register for this course.

BIOE689 **Special Topics in Bioengineering**

Credits: 1-3 Grading Method: Regular

Research Oriented Individual Instruction course.

0112	Adam Hsieh	Seats (Total: 5)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	
0124	Ian White	Seats (Total: 3)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	

BIOE799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

BIOE898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

BIOE899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

BIOL Biology Summer 2016

BIOL609 **Special Problems in Biology**

Credits: 1-6 Grading Method: Regular

One seminar per week for each subject selected: A-Cell Biology; B-Developmental Biology; C-Estuarine and Marine Biology; D-Genetics; E-Parasitology; F-Physiology; G-Systematics and Evolutionary Biology; I-Behavior; J-General; K-Endocrinology; L-Ecology.

Contact department for information to register for this course.

BIOL799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

BIOL898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

BIOL899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

0101	Instructor: TBA **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 20)
0201	Instructor: TBA **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 20)
0212	Ricardo Araneda **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0223	Carlos Machado **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)

BISI Biological Sciences Summer 2016

BISI799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

BISI898 **Pre-Candidacy Research; Pre-Doctoral Reserach**

Credits: 1-8 Grading Method: Regular

0132	Daniel Gruner **Meets May 31, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 3)

BISI899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

0101	Instructor: TBA **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 20)
0172	Iqbal Hamza **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0201	Instructor: TBA **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 20)
0203	Wenxia Song **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0204	Patrick Kanold **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0205	John Marino **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0207	Silvia Muro **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)

0208	William Lamp **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0209	Daniel Nelson **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0210	Heven Sze **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0211	Roy Mariuzza **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0215	Alexandra Bely **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0222	Karen Lips **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0230	Najib El-Sayed **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0231	Charles Mitter **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0235	Bill Fagan **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 2)
0242	David Mosser **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)

0269	Anne Simon **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0281	Norma Andrews **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0285	Daniel Perez **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0286	John Moult **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 2)
0287	Gerald Wilkinson **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 2)
0290	Gregory Mendez **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 1)

BMGT Business and Management Summer 2016

BMGT110 **Introduction to the Business Value Chain**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: IE

Students are provided with an introduction to the business value chain with an emphasis on inter-organizational and intra-organizational coordination of core business processes. Emphasis is on cross-functional integration and the efficient and effective management of core processes with an emphasis on marketing, operations and supply chain management.

All course material is delivered online. In-class comprehensive final exam scheduled for August 26, 2016 at 6:30pm in Van Munching Hall.

WB20	Hugh Turner **Meets July 11, 2016 - August 19, 2016** Class time/details on ELMs	Seats (Total: 45) ONLINE

BMGT220 **Principles of Accounting I**

Credits: 3 Grading Method: Regular

Basic theory and techniques of contemporary financial accounting. Includes the accounting cycle and the preparation of financial statements for single owner and partnership forms of business organizations operating as service companies or merchandisers.

0101	Heedong Kim	Seats (Total: 40)
	Meets May 31, 2016 - July 8, 2016	
	MTuWTh 11:00am - 12:45pm	VMH 1330

BMGT221 **Principles of Accounting II**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT220.

Basic theory and techniques of accounting for managerial decision making. Involves the introduction of the corporation and manufacturing operations. Includes cost-volume-profit analysis and capital budgeting. Introduces the topics of income taxation and international accounting.

0101	Yi Cao	Seats (Total: 40)
	Meets May 31, 2016 - July 8, 2016	
	MTuWTh 2:00pm - 3:45pm	VMH 1335

BMGT230 **Business Statistics**

Credits: 3 Grading Method: Regular General Education: FSAR

Prerequisite: MATH113 or MATH115; or must have math eligibility of MATH220 or higher. Restriction: Must not have completed ENCE302, ENME392, STAT400, BMGT231, or ENEE324. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON230, ECON321, EDMS451, GEOG306, GEOL351, GVPT422, PSYC200 or SOCY201.

Introductory course in probabilistic and statistical concepts including descriptive statistics, set-theoretic development of probability, the properties of discrete and continuous random variables, sampling theory, estimation, hypothesis testing, regression and decision theory and the application of these concepts to problem solving in business and the application of these concepts to problem solving in business and management.

0301	Francis Alt	Seats (Total: 35)
	Meets May 31, 2016 - June 17, 2016	
	MTuWTh 10:00am - 1:25pm	VMH 1520

BMGT289B **How Do Innovators Think?**

(Perm req)

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP, SCIS

YS41	Mira Azarm	Seats (Total: 20)
	Meets July 11, 2016 - July 29, 2016	
	MTuWThF 9:00am - 12:00pm	SYM 3320
	This section is part of Terp Young Scholars. Enrollment by permission only.	

BMGT289I **Why Good Managers Make Bad Decisions**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: MS | General Education: DSSP, SCIS

0601	Jeff Miller	Seats (Total: 20)
	Meets August 1, 2016 - August 19, 2016	
	MTuWTh 10:00am - 1:10pm	VMH 1303
FF61	Jeff Miller	Seats (Total: 5)
	Meets August 1, 2016 - August 19, 2016	
	MTuWTh 10:00am - 1:10pm	VMH 1303
	Restricted to students in Freshmen First.	

BMGT310 **Intermediate Accounting I**

Credits: 3 | Grading Method: Regular

Prerequisite: BMGT221.

Comprehensive analysis of financial accounting topics related to financial statement preparation and external reporting.

0101	Yue Zheng	Seats (Total: 40)
	Meets May 31, 2016 - July 8, 2016	
	MTuWTh 11:00am - 12:45pm	VMH 1335

BMGT340 **Business Finance**

Credits: 3 | Grading Method: Regular

Prerequisite: BMGT221; and (BMGT231 or BMGT230).

Topics include: the principles and practices involved in the organization, financing and rehabilitation of business enterprises; the various types of securities and their use in raising funds, apportioning income, risk and control; intercorporate relations; and new developments. Emphasis on solution of problems of financial policy faced by management.

Portions of this course will be offered online.

0101	Karen Hallows	Seats (Total: 40)
	Meets May 31, 2016 - July 8, 2016	
	TuTh 2:00pm - 5:10pm	VMH 1330

BMGT350 **Marketing Principles and Organization**

Credits: 3 Grading Method: Regular

Prerequisite: ECON200 or ECON205.

An introduction to the concepts and principles of marketing including the marketing of service and nonprofit organizations. Provides an overview of all the concepts in marketing including relationship marketing, product development, pricing, promotion, marketing research, consumer behavior, international marketing, distribution and internal marketing to employees.

0201	Roxanne Lefkoff	Seats (Total: 40)
	Meets July 11, 2016 - August 19, 2016	
	TuTh 6:00pm - 9:10pm	VMH 1335

BMGT352 **Customer-Centric Innovation**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BMGT350.

Addresses the management of new products and services with a focus on the innovation process, specifically the development and launching of new products or services: Opportunity Identification, Concept Generation, Design, Testing and Launch.

Contact department for information to register for this course.

BMGT357 **Retailing and Marketing Internship**

(Perm req)

Credits: 3-6 Grading Method: Regular

Prerequisite: BMGT350. Restriction: Permission of BMGT-Robert H. Smith School of Business; and must be in a major in BMGT-Robert H. Smith School of Business.

Supervised work experience with a firm engaged in marketing goods or services. Students apply concepts learned in marketing classes and analyze the firm's organizational structure, environment and marketing strategy.

Click here for more course information.

I201	Mary Harms	Seats (Total: 25)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	

BMGT364 **Managing People and Organizations**

Credits: 3 Grading Method: Regular

An introduction to selected aspects of human behavior in organizations generally known as organizational behavior (OB). This course is designed to help students develop systematic and fundamental understanding of people and their behaviors in organizations, as well as useful abilities and skills required to effectively and ethically manage various individual, interpersonal, group, and organization-level processes.

0101	Ning Li	Seats (Total: 45)
	Meets May 31, 2016 - July 8, 2016	
	MW 2:00pm - 5:45pm	VMH 1330
0201	Bradley Baker	Seats (Total: 45)
	Meets July 11, 2016 - August 19, 2016	
	MW 2:00pm - 5:10pm	VMH 1336

BMGT373 **Supply Chain Management Internship**

(Perm req)

Credits: 3-6 Grading Method: Regular

Prerequisite: BMGT370 or BMGT372. Restriction: Permission of BMGT-Robert H. Smith School of Business.

Involves supervised work experience in supply chain management, logistics and/or transportation. Students will be expected to relate course material to work experience in an analysis of a firm's operations.

Click here for more course information.

I201	Camil Martinez	Seats (Total: 25)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	

BMGT380 **Business Law I**

Credits: 3 Grading Method: Regular

Legal aspects of business relationships. Examination of torts and business crimes, contracts and agency. The law of personal property and bailment relationships. Survey of public policy issues.

0201	William McClenahan	Seats (Total: 45)
	Meets July 21, 2016 - August 21, 2016	
	TuTh 5:45pm - 10:00pm	VMH 1330

BMGT386 **General Business Internship**

(Perm req)

Credits: 3-6 Grading Method: Regular

Restriction: Permission of BMGT-Robert H. Smith School of Business; and must be in a major in BMGT-Robert H. Smith School of Business.

Supervised work experience in business. Students will be expected to relate course material to work experience in an analysis of a firm's operations.

Click here for more information.

I201	Hugh Turner	Seats (Total: 25)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	

BMGT392 **Introduction to International Business Management**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ECON200.

A study of the domestic and foreign environmental factors affecting the international operations of U.S. business firms. The course also covers the administrative aspects of international marketing, finance and management.

Contact department for information to register for this course.

BMGT398 **Individual Study in Business and Management**

(Perm req)

Credits: 1-3 Grading Method: Regular

Contact department for information to register for this course.

BMGT398G **Individual Study in Business and Management; Social Entrepreneurship Internship**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

BMGT446 International Finance

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BMGT340.

Financial management from the perspective of the multinational corporation. Topics covered include the organization and functions of foreign exchange and international capital markets, international capital budgeting, financing foreign trade and designing a global financing strategy. Emphasis of the course is on how to manage exchange and political risks while maximizing benefits from global opportunity sets faced by the firm.

Contact department for information to register for this course.

BMGT454 Global Marketing

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BMGT350.

Marketing functions from the global executive's viewpoint, including coverage of global marketing policies relating to product adaptation, data collection and analysis, channels of distribution, pricing, communications and cost analysis. Consideration is given to the cultural, legal, financial and organizational aspects of global marketing.

Contact department for information to register for this course.

BMGT455 Sales Management

Credits: 3 Grading Method: Regular

Prerequisite: BMGT350.

The roles of the sales executive as a planner, manager of resources and marketing functions and recruiter, trainer, motivator and leader of field sales personnel. Techniques and sequence of problem analysis for selling and sales management decisions and to the practical framework in which these decisions take place. Teaching vehicles feature strong classroom interactions, cases, journal articles, research findings, guest sales managers, debates, and modern company practices.

Contact department for information to register for this course.

BMGT458I Special Topics in Marketing; Organizational Communicatoin in Italy

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Selected advanced topics in marketing.

Contact department for information to register for this course.

BMGT461 **Entrepreneurship**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Restriction: Must not have completed BMGT361. Credit only granted for: BMGT261, BMGT361, BMGT461, ENES460 or HLMN470.

Process of creating new ventures, including evaluating the entrepreneurial team, the opportunity and the financing requirements. Skills, concepts, mental attitudes and knowledge relevant for starting a new business.

Contact department for information to register for this course.

BMGT463 **Cross-cultural Challenges in Business**

Credits: 3 Grading Method: Regular

Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.

Examines in depth the nature of international cultural value-differences and their behavioral-related effects in the workplace. Topics include decision-making and leadership styles and reactions to various work assignments and reward structures.

Contact department for information to register for this course.

BMGT484 **Electronic Marketing**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT350. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.

Examines the process of developing, implementing, and analyzing strategies for successfully marketing a variety of existing and potential products and services through digital means, including the web, social media, and mobile apps. Both the development and analysis of digital media for marketing will be discussed.

Contact department for information to register for this course.

BMGT495 **Strategic Management**

Credits: 3 Grading Method: Regular CORE: CS General Education: DSSP

Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.

A case-based course where students learn to play the role of the "strategic manager" who defines the scope of its business operations and, within the chosen scope, how the firm will compete against rivals. This course focuses on how a firm can both formulate effective business-level and corporate-level strategies to achieve competitive advantage and earn above average profits.

This course is restricted to graduating BMGT majors with 90 credit hours completed.

0101	Justin Frake **Meets May 31, 2016 - July 8, 2016** MW 5:30pm - 9:15pm	Seats (Total: 35) VMH 1335
0201	Yuan Shi **Meets July 11, 2016 - August 19, 2016** TuTh 2:00pm - 5:10pm	Seats (Total: 35) VMH 1335

BMGT828 **Independent Study in Business and Management**

(Perm req)

Credits: 1-9 Grading Method: Regular

By permission only of the Graduate Director.

Contact department for information to register for this course.

BMGT898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

BMGT899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact Graduate Program Director to make arrangements.

Contact department for information to register for this course.

BSCI Biological Sciences Program Summer 2016

The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to contact the instructor, prior to course enrollment, to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any, are available.

BSCI105 **Principles of Biology I**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: LL | General Education: DSNL

Prerequisite: Must have math eligibility of MATH220, MATH130, or MATH140. Recommended: For Science majors.

Basic principles of biology with special emphasis on cellular and molecular biology.

Students must pay a $40.00 laboratory materials fee.

0101	David Kirschtel, Michael Keller **Meets May 31, 2016 - July 8, 2016** MW 9:00am - 12:00pm TuTh 9:00am - 11:50am	Seats (Total: 22) BPS 1250 HJP 1226	 Lab
0102	Michael Keller, David Kirschtel **Meets May 31, 2016 - July 8, 2016** MW 9:00am - 12:00pm TuTh 12:00pm - 2:50pm	Seats (Total: 22) BPS 1250 HJP 1236	 Lab

BSCI105M **Principles of Biology I**

(Perm req)

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: LL | General Education: DSNL

Prerequisite: Must have math eligibility of MATH220, MATH130, or MATH140. Recommended: For Science majors.

Basic principles of biology with special emphasis on cellular and molecular biology.

0105	Michael Keller, David Kirschtel **Meets May 31, 2016 - July 8, 2016** MW 9:00am - 12:00pm	Seats (Total: 5) BPS 1250

BSCI106 **Principles of Biology II**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: LL | General Education: DSNL

Prerequisite: Must have math eligibility of MATH220, MATH130, or MATH140. Recommended: For Science Majors.

Basic principles of biology with special emphasis on organismal, ecological and evolutionary biology.

Students must pay a $40.00 laboratory materials fee.

0202	Marjorie Reaka	Seats (Total: 24)	
	Meets July 11, 2016 - August 19, 2016		
	MTuWThF 11:00am - 12:20pm	PLS 1130	
	TuTh 1:00pm - 4:00pm	HJP 3217	Lab

BSCI106M **Principles of Biology II**

(Perm req)

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: LL | General Education: DSNL

Prerequisite: Must have math eligibility of MATH220, MATH130, or MATH140. Recommended: For Science Majors.

Basic principles of biology with special emphasis on organismal, ecological and evolutionary biology.

Permission required

0202	Marjorie Reaka	Seats (Total: 5)	
	Meets July 11, 2016 - August 19, 2016		
	MTuWThF 11:00am - 12:20pm	PLS 1130	

BSCI135 **Amazing Green: Plants that Transformed the World**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: LL | General Education: DSNL, SCIS

An interactive way to learn about plants and science, focusing on how plants have changed human history, the biology of their growth, and the science behind their use.

0101	Edgar Moctezuma	Seats (Total: 24)	
	Meets May 31, 2016 - July 8, 2016		
	MTuWThF 11:00am - 12:20pm	HJP 3237	
	TuTh 1:00pm - 3:00pm	HJP 3237	Lab

BSCI201 **Human Anatomy and Physiology I**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: LL | General Education: DSNL

Prerequisite: BSCI170 and BSCI171; or BSCI105; or students who have taken courses with comparable content may contact the department.

Anatomy and physiology of the skeletal, muscular, neural, endocrine, an sensory systems. Course not acceptable toward major requirements in Biological Sciences, Chemistry or Biochemistry.

Students must pay a $40.00 Laboratory Materials fee. (Sponsoring Department: BIOL.)

0101	Justicia Opoku-Edusei	Seats (Total: 24)	
	Meets May 31, 2016 - July 8, 2016		
	MTuWTh 11:00am - 12:40pm	BPS 1243	
	TuWTh 8:00am - 10:50am	BPS 0205	Lab
0102	Justicia Opoku-Edusei	Seats (Total: 24)	
	Meets May 31, 2016 - July 8, 2016		
	MTuWTh 11:00am - 12:40pm	BPS 1243	
	TuWTh 1:00pm - 3:50pm	BPS 0205	Lab
0104	Justicia Opoku-Edusei	Seats (Total: 24)	
	Meets May 31, 2016 - July 8, 2016		
	MTuWTh 11:00am - 12:40pm	BPS 1243	
	TuWTh 8:00am - 10:50am	BPS 0275	Lab
0105	Justicia Opoku-Edusei	Seats (Total: 24)	
	Meets May 31, 2016 - July 8, 2016		
	MTuWTh 11:00am - 12:40pm	BPS 1243	
	TuWTh 1:00pm - 3:50pm	BPS 0275	Lab

BSCI202 **Human Anatomy and Physiology II**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI201; or permission of CMNS-Biology department.

Anatomy and physiology of the cardiovascular, respiratory, immune, digestive, urinary and reproductive systems. Course not acceptable toward major requirements in Biological Sciences, Chemistry or Biochemistry.

Students must pay a $40.00 Laboratory Materials fee. Sponsoring Department: BIOL.

0201	Tammatha O'Brien	Seats (Total: 24)	
	Meets July 11, 2016 - August 19, 2016		
	MTuWTh 11:00am - 12:40pm	BPS 1250	
	TuWTh 8:00am - 10:50am	BPS 0275	Lab

0202	Tammatha O'Brien **Meets July 11, 2016 - August 19, 2016** MTuWTh 11:00am - 12:40pm TuWTh 1:00pm - 3:50pm	Seats (Total: 24) BPS 1250 BPS 0275	 Lab
0204	Tammatha O'Brien **Meets July 11, 2016 - August 19, 2016** MTuWTh 11:00am - 12:40pm TuWTh 8:00am - 10:50am	Seats (Total: 24) BPS 1250 BPS 0205	 Lab
0205	Tammatha O'Brien **Meets July 11, 2016 - August 19, 2016** MTuWTh 11:00am - 12:40pm TuWTh 1:00pm - 3:50pm	Seats (Total: 24) BPS 1250 BPS 0205	 Lab

BSCI222 **Principles of Genetics**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHEM131 and CHEM132; and (BSCI160 and BSCI161; or BSCI106); and (BSCI170 and BSCI171; or BSCI105). Or must have completed BSCI105 or (BSCI170 and BSCI171); and two semesters of chemistry.

Principles and mechanisms of heredity and gene expression. Considers plant, animal, and microbial organisms.

0101	David Straney **Meets May 31, 2016 - July 8, 2016** MTuWThF 1:00pm - 2:20pm TuThF 3:00pm - 5:00pm	Seats (Total: 30) BPS 1250 BPS 1232	 Discussion
0102	David Straney **Meets May 31, 2016 - July 8, 2016** MTuWThF 1:00pm - 2:20pm TuThF 3:00pm - 5:00pm	Seats (Total: 10) BPS 1250 BPS 0283	 Discussion

BSCI223 **General Microbiology**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit CORE: LL General Education: DSNL, SCIS

Prerequisite: BSCI170 and BSCI171; or BSCI105.

Fundamental concepts in morphology, physiology, genetics, immunology, ecology, and pathogenic microbiology. Applications of microbiology to medicine, the food industry and biotechnology.

Students must pay a $40.00 laboratory materials fee.

0101	John Buchner **Meets May 31, 2016 - July 8, 2016** MTuWThF 11:00am - 11:50am MTuWThF 12:30pm - 2:30pm	Seats (Total: 14) MCB 1207 MCB 1201	 Lab
0102	John Buchner **Meets May 31, 2016 - July 8, 2016** MTuWThF 11:00am - 11:50am MTuWThF 12:30pm - 2:30pm	Seats (Total: 13) MCB 1207 MCB 1205	 Lab
0103	John Buchner **Meets May 31, 2016 - July 8, 2016** MTuWThF 11:00am - 11:50am MTuWThF 12:30pm - 2:30pm	Seats (Total: 13) MCB 1207 MCB 1206	 Lab

BSCI279 **Supplemental Study; Supplemental Study in Biology**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Research or special study to complement a course taken previously which is not fully equivalent to current departmental requirements. Credit according to work done.

(Sponsoring Department: BIOL.)

Contact department for information to register for this course.

BSCI279E **Supplemental Study; Environmental Biology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Research or special study to complement a course taken previously which is not fully equivalent to current departmental requirements. Credit according to work done.

This Course will explore adaptation and natural selection; organismic, population, community, and ecosystem ecology; and human impact on natural systems

YS41	Sarah Shannon-Firestone	Seats (Total: 15)	
	Meets July 11, 2016 - July 29, 2016		
	MTuWThF 9:30am - 12:00pm TuTh 2:00pm - 4:30pm	SYM 0215 HJP 3211	Discussion
	This section is part of Terp Young Scholars. Enrollment by permission only.		

BSCI279L **Supplemental Study; Biology I Laboratory**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Research or special study to complement a course taken previously which is not fully equivalent to current departmental requirements. Credit according to work done.

0101	Michael Keller	Seats (Total: 5)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	

BSCI279N **Supplemental Study; Biology II Laboratory**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Research or special study to complement a course taken previously which is not fully equivalent to current departmental requirements. Credit according to work done.

0201	Hans Lemke	Seats (Total: 5)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	

BSCI289 **Off-Campus Internship**

(Perm req)

Credits: 1-3 Grading Method: Sat-Fail

Elective credit for formally established off-campus research internship. Permission of Director of Outreach required.

I101	Katerina Thompson	Seats (Total: 10)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	
I201	Katerina Thompson	Seats (Total: 10)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	

BSCI330 **Cell Biology and Physiology**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in CHEM131 and CHEM132. And minimum grade of C- in BSCI170 and BSCI171; or minimum grade of C- in BSCI105. Restriction: Must not have completed BSCI230. Credit only granted for: BSCI230 or BSCI330. Formerly: BSCI230.

Biochemical and physiological mechanisms underlying cellular function. Properties of cells which make life possible and mechanisms by which cells provide energy, reproduce, and regulate and integrate with each other and their environment.

Students must pay a $40.00 lab materials fee.

0101	Hadiya Woodham	Seats (Total: 27)	
	Meets May 31, 2016 - July 8, 2016		
	MTuWTh 11:30am - 1:10pm	HJP 0226	
	TuWTh 8:30am - 11:20am	PLS 1171	Lab

BSCI338I **Special Topics in Biology; Medical Biotechnology & Drug Development**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Lectures, seminars, mini-courses and other special instruction in various biological subjects.

Contact department for information to register for this course.

BSCI338M **Special Topics in Biology; Human Health and Disease: A Clinical Approach**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Lectures, seminars, mini-courses and other special instruction in various biological subjects.

Contact department for information to register for this course.

BSCI338Z **Special Topics in Biology; Field Research**

(Perm req)

Credits: 1-4 Grading Method: Regular, Pass-Fail, Audit

Lectures, seminars, mini-courses and other special instruction in various biological subjects.

(Sponsoring Department: BIOL.)

0101	Instructor: TBA **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0201	Instructor: TBA **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 20)
SG10	Beth Parent **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
SG20	Beth Parent **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)

BSCI342 **Biology of Reproduction**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI170 and BSCI171; or BSCI105; or permission of CMNS-Biological Sciences UG Program. Also offered as: WMST326. Credit only granted for: BSCI342 or WMST326.

The biology of the reproductive system with emphasis on mammals and, in particular, on human reproduction. Hormone actions, sperm production, ovulation, sexual differentiation, sexual behavior, contraception, pregnancy, lactation, maternal behavior, and menopause.

0101	Justicia Opoku-Edusei **Meets May 31, 2016 - July 8, 2016** MTuWTh 9:00am - 10:40am	Seats (Total: 35) PLS 1117

BSCI348 **Special Topics in Cell Biology and Molecular Genetics**

Credits: 1-4 Grading Method: Regular, Pass-Fail, Audit

Presentation and discussion of special subjects in the field of cell biology and molecular genetics. A maximum of three credit hours of BSCI 348 may be applied to major.

0223	Byrn Quimby **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 1)

BSCI348J **Special Topics in Cell Biology and Molecular Genetics; Medical Microbiology**

Credits: 3

Grading Method: Regular,
Pass-Fail, Audit

Presentation and discussion of special subjects in the field of cell biology and molecular genetics. A maximum of three credit hours of BSCI 348 may be applied to major.

Prerequisite: BSCI105 (grade of B or better) or BSCI223 or BSCI283. Credit only granted for BSCI424 or BSCI348J. Mechanisms of pathogenesis, detection, prevention and treatment of bacterial, viral and parasitic pathogens of humans.

WB21	Volker Briken	Seats (Total: 25)
	Meets July 11, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

BSCI348M **Special Topics in Cell Biology and Molecular Genetics; Epidemiology of Microbial Pathogens**

Credits: 3

Grading Method: Regular,
Pass-Fail, Audit

Presentation and discussion of special subjects in the field of cell biology and molecular genetics. A maximum of three credit hours of BSCI 348 may be applied to major.

Acceptable towards Biological Sciences areas: MICB and GENB. Prerequisite: BSCI105. Study of infectious bacteria and viruses acting at the population level in humans and animals. Identification of causes and spread of infection.

WB31	Jeffrey Olimpo	Seats (Total: 31)
	Meets May 31, 2016 - June 17, 2016	
	Class time/details on ELMs	ONLINE

BSCI348R **Special Topics in Cell Biology and Molecular Genetics; Microbiology Internship**

Credits: 1-4

Grading Method: Regular,
Pass-Fail, Audit

Presentation and discussion of special subjects in the field of cell biology and molecular genetics. A maximum of three credit hours of BSCI 348 may be applied to major.

Microbiology Internship. Opportunity for students to perform research, relating to microbiology in an off-campus laboratory. Permission of Instructor required. 3 credits applicable to MICB specialization area.

I101	David Straney	Seats (Total: 20)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	

I201	David Straney	Seats (Total: 20)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	

BSCI379 **Cell Biology and Molecular Genetics Department Research**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

This course is arranged to provide qualified majors an opportunity to pursue research problems under the supervision of a member of the department.

Contact department for information to register for this course.

BSCI379G **Cell Biology and Molecular Genetics Department Research; Research in Cell Biology and Molecular Genetics**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

This course is arranged to provide qualified majors an opportunity to pursue research problems under the supervision of a member of the department.

Contact department for information to register for this course.

BSCI379H **Cell Biology and Molecular Genetics Department Honors Research**

(Perm req)

Credits: 1-3 Grading Method: Regular

Student should consult program guidelines. Research project carried out under guidance of faculty advisor.

0201	Steven Hutcheson	Seats (Total: 30)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	

BSCI379M **Cell Biology and Molecular Genetics Department Research; Research in Microbiology**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

This course is arranged to provide qualified majors an opportunity to pursue research problems under the supervision of a member of the department.

Research carried out under guidance of faculty advisor. Student must make arrangements with a CBMG Departmental faculty member to do this research and register for this course. Permission Required.

Contact department for information to register for this course.

BSCI379P **Cell Biology and Molecular Genetics Department Research; Research in Plant Biology**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

This course is arranged to provide qualified majors an opportunity to pursue research problems under the supervision of a member of the department.

Research carried out under guidance of faculty advisor. Student must make arrangements with a CBMG Departmental faculty member to do this research and register for this course. Permission Required.

Contact department for information to register for this course.

BSCI389 **Entomology Department Research**

(Perm req)

Credits: 1-2 Grading Method: Regular, Pass-Fail, Audit

Credit to be determined by the department. Should be taken during the junior year. Investigations of assigned entomological problems. No more than 4 credit hours of BSCI389 may be applied to the 120 credit hours needed for the Bachelor's degree.

Contact department for information to register for this course.

BSCI399 **Biology Department Research**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Research and/or integrated reading in biology under the direction and close supervision of a member of the faculty.

(Sponsoring Department: BIOL.)

0101	Reid Compton **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 15)
0201	Reid Compton **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 20)

BSCI399H **Biology Department Honors Research**

(Perm req)

Credits: 1-2 Grading Method: Regular

A laboratory research problem; required each semester during honors participation and culminating in an honors thesis.

(Sponsoring Department: BIOL.)

Contact department for information to register for this course.

BSCI414 **Recombinant DNA Laboratory**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI222.

An advanced course offering hands-on experience in performing recombinant DNA experiments. All current molecular biology techniques used for cloning prokaryotic genes, analyzing the gene products, and modifying the genes will be performed. Techniques include isolation of DNA, use of restriction enzymes; cloning procedures, PCR analysis, and Southern hybridizations. Lecture material focuses on interpretation of results generated in the laboratory.

Students must pay a $40.00 lab materials fee.

0101	Sandra Fox-Moon	Seats (Total: 20)	
	Meets May 31, 2016 - July 8, 2016		
	MTuWThF 11:00am - 3:00pm	MCB 1143	Lab

BSCI422 **Principles of Immunology**

Credits: 3 Grading Method: Regular

Prerequisite: BSCI223 and BSCI222. Recommended: BSCI330. Restriction: Junior standing or higher.

The immune system in health and disease. Presentation and analysis of the cellular and molecular processes that comprise the immune system.

0201	Kenneth Frauwirth	Seats (Total: 40)	
	Meets July 11, 2016 - August 19, 2016		
	MTuWThF 10:00am - 11:40am	MCB 1207	

BSCI433 **Biology of Cancer**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI222 and BSCI330; or permission of CMNS-Biological Sciences UG Program.

Causes and consequences of neoplastic transformations at the biochemica and cellular levels.

0501	Beth Parent	Seats (Total: 25)	
	Meets June 20, 2016 - July 8, 2016		
	MTuWThF 9:00am - 11:45am	PLS 1111	

BSCI440 **Mammalian Physiology**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI330; and (CHEM231 and CHEM232; or must have completed CHEM233). Or permission of CMNS-Biological Sciences UG Program.

A study of the cardiovascular, hemopoietic, gastrointestinal, renal and respiratory systems. Chemical and endocrine regulation of physiological functions in mammals. Course does not count as an upper level lab for BIOL majors (see BSCI441).

0201	David Sandstrom	Seats (Total: 50)	
	Meets July 11, 2016 - August 19, 2016		
	MTuWTh 10:00am - 11:45am	ANS 0408	
	MTuWTh 8:00am - 9:45am	ANS 0408	Discussion

BSCI447 **General Endocrinology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI330, CHEM241, and CHEM242.

Functions and the functioning of the endocrine glands of animals with special reference to the vertebrates.

WB21	Tammatha O'Brien	Seats (Total: 50)	
	Meets July 11, 2016 - August 19, 2016		
	Class time/details on ELMs	ONLINE	

BSGC Global Communities Summer 2016

BSGC386 **Experiential Learning in Global Communities: Global Internship**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Restriction: Must be in Global Communities Living-Learning program. Credit only granted for: BSGC398E or BSGC386. Formerly: BSGC398E.

Experiential Learning in Global Communities: Global Internship, will give students an opportunity to connect theory with practice.

I101	Natalie Vinski Ibrahim	Seats (Total: 20)
	Meets May 31, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE
	Course meetings will be conducted online.	

BSGC398A **BSGC Experiential Learning in Global Communities: Global Service**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DVCC

Experiential learning is an integral element of the Global Communities program. Students will gain an understanding of social issues in marginalized communities, engage in service-learning, and develop an action plan for civic engagement in a diverse global society.

WB11	Malaika Serrano	Seats (Total: 5)
	Meets May 31, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

BSGC399 **Topical Investigations in Global Communities**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Variable from 1-3 credits and repeatable up to 6 if content varies.

WB11	Virginia Haufler	Seats (Total: 5)
	Meets May 31, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

BSOS Behavioral and Social Sciences Summer 2016

BSOS288I **Special Topics in Behavioral and Social Sciences; Social Science Internship Practicum**

(Perm req)

Credits: 1-3 Grading Method: Regular

Introductory special topics course focusing on an interdisciplinary topic related to behavioral and social sciences.

I101	Kathryn Hopps	Seats (Total: 5)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	

I201	Kathryn Hopps	Seats (Total: 10)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	

BSOS288M **Special Topics in Behavioral and Social Sciences; MSEC Internship**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Introductory special topics course focusing on an interdisciplinary topic related to behavioral and social sciences.

Contact department for information to register for this course.

BSOS355 **Social Sciences Internship Practicum**

(Perm req)

Credits: 3 Grading Method: Regular General Education: DSSP

Restriction: Must have earned a minimum of 60 credits; and minimum cumulative GPA of 2.5; and must have completed at least 1 semester at UMD. Credit only granted for: BSOS388I or BSOS355. Formerly: BSOS388I.

BSOS 355 is an internship course open to all majors. It will enable students to articulate and apply the scholarship from the discipline related to their specific internship placement into a real-work environment.

I101	Kathryn Hopps	Seats (Total: 5)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	
I201	Kathryn Hopps	Seats (Total: 10)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	

BSOS386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular

Contact department for information to register for this course.

BSOS388Q **Behavioral and Social Sciences Special Topics; Cesar Directed Study**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced special topics course focusing on an interdisciplinary topic related to the Behavioral and Social Sciences.

Contact department for information to register for this course.

BSST Terrorism Studies Summer 2016

BSST338A **Special Topics in Terrorism Studies; Terrorist Hostage Taking**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

A special topics course for students in the Global Terrorism Minor program. Topics that may be offered are Psychology of Terrorism; Development of Counterterrorism Policies and Programs; Terrorism and Popular Culture; Terrorism and the Media; International Perspective on Terrorism and Counterterrorism (Education Abroad); The Evolution of Hezbollah; Terrorism and Small Wars; Political Islam in the West.

Examine different forms of hostage taking and consider approaches to studying behavior, along with the problems inherent in such research. Weekly topics will include issues such as scripts and patterned behavior, victim resistance, what the Stockholm Syndrome might really mean. This course explores the tactical choices of terrorist groups, the responses of the other players and how the combinations might impact the end results.

WB21	Margaret Wilson	Seats (Total: 34)
	Meets July 11, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

BSST338N **Special Topics in Terrorism Studies; The Novel and Countering Violent Extremism**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

A special topics course for students in the Global Terrorism Minor program. Topics that may be offered are Psychology of Terrorism; Development of Counterterrorism Policies and Programs; Terrorism and Popular Culture; Terrorism and the Media; International Perspective on Terrorism and Counterterrorism (Education Abroad); The Evolution of Hezbollah; Terrorism and Small Wars; Political Islam in the West.

WB11	Jennifer Bryson	Seats (Total: 20)
	Meets May 31, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE

BSST338W **Special Topics in Terrorism Studies; Intelligence Analysis and Five Eyes Intelligence Collaboration**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

A special topics course for students in the Global Terrorism Minor program. Topics that may be offered are Psychology of Terrorism; Development of Counterterrorism Policies and Programs; Terrorism and Popular Culture; Terrorism and the Media; International Perspective on Terrorism and Counterterrorism (Education Abroad); The Evolution of Hezbollah; Terrorism and Small Wars; Political Islam in the West.

Contact department for information to register for this course.

BSST338X **Special Topics in Terrorism Studies; Countering Violent Extremism and Deradicalization in International Contexts**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

A special topics course for students in the Global Terrorism Minor program. Topics that may be offered are Psychology of Terrorism; Development of Counterterrorism Policies and Programs; Terrorism and Popular Culture; Terrorism and the Media; International Perspective on Terrorism and Counterterrorism (Education Abroad); The Evolution of Hezbollah; Terrorism and Small Wars; Political Islam in the West.

Contact department for information to register for this course.

BSST386 **Experiential Learning in Terrorism Studies**

(Perm req)

Credits: 1-5 Grading Method: Regular, Pass-Fail

Repeatable to 10 credits.

This course will supplement student's experiential learning experience, or internship in the field of terrorism studies and homeland security with guided reflection on their experiences.

I101	Marcella Morris	Seats (Total: 25)
	Meets May 31, 2016 - August 19, 2016	
	Contact instructor or department for details.	

BSST638V **Special Topics in Terrorism Studies; Countering Violent Extremism and Deradicalization in International Contexts**

Credits: 3 Grading Method: Regular, Audit

A special topics course for students in the Global Terrorism Minor program. Topics that may be offered are Psychology of Terrorism; Development of Counterterrorism Policies and Programs; Terrorism and Popular Culture; Terrorism and the Media; International Perspective on Terrorism and Counterterrorism (Education Abroad); The Evolution of Hezbollah; Terrorism and Small Wars; Political Islam in the West.

Contact department for information to register for this course.

BSST638W **Special Topics in Terrorism Studies; Intelligence Analysis and Five Eyes Intelligence Collaboration**

Credits: 3 Grading Method: Regular, Audit

A special topics course for students in the Global Terrorism Minor program. Topics that may be offered are Psychology of Terrorism; Development of Counterterrorism Policies and Programs; Terrorism and Popular Culture; Terrorism and the Media; International Perspective on Terrorism and Counterterrorism (Education Abroad); The Evolution of Hezbollah; Terrorism and Small Wars; Political Islam in the West.

Contact department for information to register for this course.

BUAC Accounting and Information Assurance — Summer 2016

BUAC743 Financial Statement Analysis

Credits: 2 Grading Method: Regular

Prerequisite: BUSI610. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business.

Provides students with the tools to conduct a financial statement analysis, which is part of an overall business analysis. This involves understanding and using the information that financial statements are communicating to users.

DC10	E Carr	Seats (Total: 45)
	Meets May 26, 2016 - June 21, 2016	
	MW 6:25pm - 10:00pm	DC C2
	First class will be Thursday 5/26 to make up for Memorial Day holiday.	
GS10	Gary Bulmash	Seats (Total: 45)
	Meets May 31, 2016 - June 21, 2016	
	TuTh 6:25pm - 10:00pm	BLD2 2032

BUAC758G Special Topics in Accounting and Information Assurance; Forensic Accounting/Fraud Detection

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in accounting and information assurance.

DC10	Mary Keim	Seats (Total: 45)
	Meets June 27, 2016 - July 20, 2016	
	MW 6:25pm - 10:00pm	DC C2

BUAC759 Independent Study in Accounting and Information Assurance

(Perm req) Credits: 1-6 Grading Method: Regular

Independent study for masters students in accounting and information assurance.

Contact department for information to register for this course.

BUAC765 **Business Ethics for Accountants and Auditors**

Credits: 3 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program.

Considers all facets of business ethics issues within an accounting and auditing context. Ethical theory, corporate social responsibility, and individual decision-making are considered. Some of the applied topics that may be covered in this course include, but are not limited to, intellectual property issues, corporate downsizing, outsourcing, global ethics, crises management, and employment ethics.

CP25	James Lager	Seats (Total: 45)
	Meets July 13, 2016 - August 10, 2016	
	MW 5:45pm - 10:00pm	VMH 1333
	For MS in Accounting students only. Course meets 7/13-8/10, Final 8/15.	

BUAC792 **Forensic Accounting/Auditing**

Credits: 3 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program.

Provides a theoretical background and practical application of fraud examinations and corporate investigations. Fraud prevention, detection, investigation, and related matters such as courtroom procedures will be included. Also considered are topics such as FCPA and securities fraud. A wide variety of teaching tools are used.

CP15	Ariel Ramirez	Seats (Total: 50)
	Meets June 1, 2016 - July 6, 2016	
	MW 6:15pm - 10:00pm	VMH 1330
	For MS in Accounting students only. Course meets 5/26-7/6, final 7/6.	

BUDT Decision and Information Technologies — Summer 2016

BUDT759 **Independent Study in Decision and Information Technologies**

(Perm req) Credits: 1-6 Grading Method: Regular

Independent study for masters students in decision and information technologies.

Contact department for information to register for this course.

BUDT775 **Pricing and Revenue Management**

Credits: 2 Grading Method: Regular

Prerequisite: BUSI630. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUDT758D or BUDT775. Formerly: BUDT758D.

Specialized course on pricing and revenue management (PRM) that provide students with tools and principles, drawn from several disciplines (Operations, Microeconomics, Decision Modeling, Statistics, Marketing, IS) to make effective pricing decisions. Topics covered include economics of pricing, strategy and tactics of PRM, pricing optimization, differentiated pricing, dynamic pricing, mark-down pricing, legal and ethical issues in models/methods used in making effective PRM decisions and managerial or organizational factors that hold the key to success in execution of PRM.

GS20	Sharon Hormby	Seats (Total: 45)
	Meets July 27, 2016 - August 18, 2016	
	TuTh 6:25pm - 10:00pm	BLD2 2032

BUFN Finance Summer 2016

BUFN740 **Capital Markets**

Credits: 2 Grading Method: Regular

Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).

Designed to deepen the foundations necessary to finance focused students, especially those intending to specialize in the quantitative areas of finance including investments, fixed income, and financial engineering.

DC16	Ceyed Baiju	Seats (Total: 45)
	Meets May 28, 2016 - July 16, 2016	
	Sa 2:00pm - 6:30pm Class time/details on ELMs	DC C4 ONLINE
	Meets 5/28, 6/11, 6/25, 7/9, Final 7/16. Blended.	

BUFN752 **Financial Restructuring**

Credits: 2 Grading Method: Regular, Audit

Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN716 or BUFN752. Formerly: BUFN716.

Focuses on identifying ways to increase firm value through corporate restructuring. Specific topics include: mergers and tender offers, spin-offs, carve-outs, divestitures, takeover defense strategies, leveraged buy-outs, and international acquisitions. Additionally, the theory, practice and empirical evidence related to each of these topics will be covered. Emphasis will be placed on valuation analysis and strategic considerations.

BA10	Bharat Jain	Seats (Total: 40)
	Meets June 27, 2016 - July 20, 2016	
	MW 6:25pm - 10:00pm	BA 101

BUFN754 **Corporate Risk Management**

Credits: 2 Grading Method: Regular

Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).

Surveys the theory and practice of financial risk identification, measurement, and mitigation at financial and non-financial firms. Topics will include hedging with options and futures, interest rate risk management, Value-at-Risk (VaR), Cashflow-at-Risk (CaR), Earnings-at-Risk (EaR), credit risk, equity risk, commodities risk, exchange rate risk, and lessons from risk management disasters.

CP25	Ceyed Baiju	Seats (Total: 50)
	Meets August 13, 2016 - August 21, 2016	
	SaSu 9:00am - 4:15pm	VMH 1330
	Meets 8/13, 8/14, 8/20, 8/21.	
DC20	Ceyed Baiju	Seats (Total: 45)
	Meets July 27, 2016 - August 18, 2016	
	MW 6:25pm - 10:00pm	DC C3

BUFN758F **Special Topics in Finance; Experiential Learning Project**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in finance.

Contact department for information to register for this course.

BUFN759 **Independent Study in Finance**

(Perm req) Credits: 1-6 Grading Method: Regular

Independent study for Masters students in finance.

Contact department for information to register for this course.

BUFN760 **Applied Equity Analysis**

Credits: 2 Grading Method: Regular

Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN702 or BUFN760. Formerly: BUFN702.

Students will learn to analyze equity securities using the basic EIC (Economy/Industry/Company) framework used in the financial industry, paying special attention to financial statement analysis. Students also will learn the primary valuation techniques used to estimate market values for equity securities.

GS10	Ryan Guttridge	Seats (Total: 45)
	Meets June 27, 2016 - July 20, 2016	
	MW 6:25pm - 10:00pm	BLD2 2032

BUFN762 **Fixed Income Analysis**

Credits: 2 Grading Method: Regular

Prerequisite: BUFN740. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN731 or BUFN762. Formerly: BUFN731.

Describes important financial instruments which have market values that are sensitive to interest rate movements. Develops tools to analyze interest rate sensitivity and value fixed income securities. Defines and explains the vocabulary of the bond management business.

DC10	Mark Taranto	Seats (Total: 45)
	Meets June 27, 2016 - July 20, 2016	
	TuTh 6:25pm - 10:00pm	DC C1

BUFN765 **Fixed Income Derivatives**

Credits: 2 Grading Method: Regular

Prerequisite: BUFN762. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN731 or BUFN765. Formerly: BUFN731.

Surveys fixed income assets and related securities such as Exchange-traded bond options; bonds with embedded options; floating rate notes; caps, collars, and floors; floating rate notes with embedded options. Also surveys advanced tools for interest-rate and fixed-income portfolio management, including the use of derivative securities, and the application of binomial trees for analysis of options, and a sound understanding of stochastic yield curves.

BA20	Mark Taranto	Seats (Total: 45)
	Meets July 27, 2016 - August 18, 2016	
	MW 6:25pm - 10:00pm	BA 101

BULM Logistics, Business, and Public Policy — Summer 2016

BULM758C **Special Topics in Logistics, Business and Public Policy; Assessing & Managing Supply Chain Risks**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in logistics, business and public policy.

DC16	Carlos Alvarenga	Seats (Total: 45)
	Meets May 28, 2016 - July 16, 2016	
	Sa 8:30am - 1:00pm	DC C1
	Class time/details on ELMs	ONLINE
	Meets 5/28, 6/11, 6/25, 7/9, Final 7/16. Blended.	

BULM759 **Independent Study in Logistics Management**

(Perm req)

Credits: 1-6 Grading Method: Regular

Independent study for Masters students in Logistics Management.

Contact department for information to register for this course.

BUMK Marketing — Summer 2016

BUMK716 **Brand Management**

Credits: 2 Grading Method: Regular

Prerequisite: BUSI650. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business.

Brand names are valuable assets for firms. Effective brand management is critical to maintaining the long-term profitability of products and services. Topics include understanding brands from the customer's perspective, building brand equity, measuring brand equity, leveraging brand equity, managing brand portfolios and managing brands over time.

DC16	Richard Newman	Seats (Total: 45)
	Meets May 28, 2016 - July 16, 2016	
	Sa 8:30am - 1:00pm	DC C2
	Class time/details on ELMs	ONLINE
	Meets 5/28, 6/11, 6/25, 7/9, Final 7/16. Blended.	

BUMK717 **Integrated Marketing Communications**

Credits: 2 Grading Method: Regular

Prerequisite: BUSI650. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business.

Marketing communications are a complex but critical component of marketing strategy. Topics include communication tools: advertising, sales promotions, corporation communications, one-on-one or direct marketing, public relations, internet communications, sponsorship/events marketing, and marketing communcation plans: defining objectives, implementing the plan, and measuring communications effectiveness. Achieving integration in the content, look, and feel of all marketing communications is stressed.

BA20	Sheila Lalwani	Seats (Total: 45)
	Meets July 27, 2016 - August 18, 2016	
	TuTh 6:25pm - 10:00pm	BA 103

BUMK722 **Customer Equity Management**

Credits: 2 Grading Method: Regular

Prerequisite: BUSI650. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).

Focuses on managing customers of a business, whether in B2B or B2C space, as a portfolio of equity; understanding the current and future value of customers to the business; selective acquisition, development, and retention of customers using latest developments in information technology.

BA16	Pallassana Kannan	Seats (Total: 45)
	Meets June 4, 2016 - June 19, 2016	
	TBA	BA 103
	Course meets 6/4, 6/5, 6/18, 6/19.	

BUMK758J **Special Topics in Marketing; Pricing Strategies for Sustainable Competitive Advantage**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in marketing.

DC10	Tao Chen	Seats (Total: 45)
	Meets May 31, 2016 - June 21, 2016	
	TuTh 6:25pm - 10:00pm	DC C2

BUMK758O **Special Topics in Marketing; Social Media and Internet Marketing**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in marketing.

GS10	Jeremy Brown	Seats (Total: 45)
	Meets May 26, 2016 - June 21, 2016	
	MW 6:25pm - 10:00pm	BLD2 2032
	First class will be Thursday 5/26 to make up for Memorial Day holiday.	

BUMK758P **Special Topics in Marketing; New Product Development**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in marketing.

BA10	Amitabh Saxena	Seats (Total: 45)
	Meets June 27, 2016 - July 20, 2016	
	TuTh 6:25pm - 10:00pm	BA 103

BUMK759 **Independent Study in Marketing**

(Perm req)

Credits: 1-6 Grading Method: Regular

Independent study for Masters students in Marketing.

Contact department for information to register for this course.

BUMO Management and Organization Summer 2016

BUMO725 Networks and Influence

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program.

Focuses on networks, social capital, and influence as they relate to operating effectively in organizations. It draws heavily on emerging literature related to social capital and networks, but also integrates concepts from persuasion, communication, and motivation literatures to aid your efforts to build a successful track record for yourself and your organization.

Meets 5/28, 6/11, 6/25, 7/9, Final 7/16. Blended.

DC16	Kathryn Bartol	Seats (Total: 45)
	Meets May 28, 2016 - July 16, 2016	
	Sa 2:00pm - 6:30pm	DC C2
	Class time/details on ELMs	ONLINE
	Meets 5/28, 6/11, 6/25, 7/9, Final 7/16. Blended.	

BUMO752 Strategic Growth for Emerging Companies

Credits: 2 Grading Method: Regular, Audit

Restriction: Must be in Business and Management (Master's) program.

Explores the key elements of mastering the move from being a successful small company to achieving industry significance. Supplemented by readings, video and guest speakers, the course highlights the application of practical lessons leading to strategic growth and subsequent emergence as a player.

DC20	Jonathan Aberman	Seats (Total: 50)
	Meets July 27, 2016 - August 18, 2016	
	TuTh 6:25pm - 10:00pm	DC C3

BUMO758G Special Topics in Management and Organization; Innovation Management

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in management and organization.

DC10	Clarence Wesley	Seats (Total: 45)
	Meets May 26, 2016 - June 21, 2016	
	MW 6:25pm - 10:00pm	DC C1
	First class will be Thursday 5/26 to make up for Memorial Day holiday.	

BUMO759 **Independent Study in Management and Organization**

(Perm req)

Credits: 1-6 Grading Method: Regular

Independent study for Masters students in management and organization.

Contact department for information to register for this course.

BUMO761 **Creativity for Business Leaders and Entrepreneurs**

Credits: 2 Grading Method: Regular

Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUSI661 or BUMO761. Formerly: BUSI661.

Examines the concept of creativity as it applies in today's and tomorrow's complex business environment. An overview of the cognitive foundations of creativity, examines many of the preconceived notions about creativity in business and discusses multiple ways in which creativity can help business leaders and entrepreneurs to succeed. Topics include creativity techniques for groups and individuals, creativity as a foundation to recognize business opportunities and develop innovative products and services, selecting ideas and making them stick, mental and organizational obstacles to creativity as well as an overview of electronic tools to increase creative capability.

DC26	Oliver Schlake **Meets August 13, 2016 - August 20, 2016** TBA Class time/details on ELMs *Meets 8/13, 8/20. Blended.*	Seats (Total: 50) DC C3 ONLINE
DC27	Oliver Schlake **Meets August 14, 2016 - August 21, 2016** TBA Class time/details on ELMs *Meets 8/14, 8/21. Blended.*	Seats (Total: 50) DC C3 ONLINE

BUMO767 **Cross-Cultural Communication and Teamwork**

Credits: 2 Grading Method: Regular, Audit

Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUSI667 or BUMO767. Formerly: BUSI667.

Provide managers a sound basis for developing such competencies. Specifically, we will develop an understanding of key cultural differences, and how these differences influence the management of individuals, groups, and organizations.

BA10	Clarence Wesley	Seats (Total: 45)
	Meets May 26, 2016 - June 21, 2016	
	TuTh 6:25pm - 10:00pm	BA 103

BUSI Part-Time MBA Program Summer 2016

Any remaining seats in BUSI courses will be available to the following groups of students: Students admitted/graduates of UMCP master or PhD program and students admitted/graduates of an AACSB- accredited masters program. Students outside the department should contact the Smith School of Business Masters Program Office starting the first day of registration for specific instructions on how to request a BUSI course. Requests for courses will be reviewed approximately two weeks before the start of the semester. For all course sections with GS, class will be held at the Shady Grove Campus. For all course sections with DC, class will be held at the Ronald Reagan Building/International Trade Center. For all course sections with BA, class will be held at the UMB BioPark Two For weekend courses, students are responsible for checking their schedule for course conflicts. If a student is registered for weekend courses that conflict, the student should make adjustments to their schedule. If changes are not made, the department can drop the course that was last added to cause the conflict.

BUSI611 **Managerial Accounting**

(Perm req)

Credits: 2 Grading Method: Regular

Prerequisite: BUSI610. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).

Use of accounting data in corporate planning and control. Cost-volume- profit analysis, budgeting, pricing decisions and cost data, transfer pricing, activity-based management, performance measures, and standard costing.

Non-majors should review their registration eligibility in the statement preceding the BUSI courses. (Except: BUSI 611 Section 01D6, please see notes under section 01D6).

BA11	Eugene Cantor	Seats (Total: 0)
	Meets May 31, 2016 - July 12, 2016	
	Tu 6:25pm - 10:00pm	BA 104
	Meets 5/31-7/12, Final 7/19.	
DC11	William Ford	Seats (Total: 0)
	Meets June 1, 2016 - July 13, 2016	
	W 6:25pm - 10:00pm	DC C3
	Meets 6/1-7/13, Final 7/20.	

DC12	William Ford **Meets June 2, 2016 - July 14, 2016** Th 6:25pm - 10:00pm *Meets 6/2-7/14, Final 7/21*	Seats (Total: 0) DC C3
DC16	Eugene Cantor **Meets May 28, 2016 - July 16, 2016** Sa 8:30am - 1:00pm Class time/details on ELMs *Meets 5/28, 6/11, 6/25, 7/09, Final 7/16. Blended.*	Seats (Total: 0) DC C3 ONLINE

BUSI683 **The Global Economic Environment**

Credits: 2 Grading Method: Regular

Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).

Relationship between national and international economic environments. Determinants of output, interest rates, prices and exchange rates. Analysis of effect of economic policies (fiscal, monetary, trade, tax) on the firm and the economy.

Non-majors should review their registration eligibility in the statement preceding the BUSI courses.

BA11	Bennet Zelner **Meets June 2, 2016 - July 14, 2016** Th 6:25pm - 10:00pm *Meets 6/2-7/14, Final 7/21.*	Seats (Total: 0) BA 104
DC11	Bennet Zelner **Meets May 26, 2016 - July 18, 2016** M 6:25pm - 10:00pm *Meets 5/26-7/18, Final 7/25.*	Seats (Total: 0) DC C3
DC12	Charles Olson **Meets May 31, 2016 - July 12, 2016** Tu 6:25pm - 10:00pm *Meets 5/31-7/12, Final 7/19.*	Seats (Total: 0) DC C3

DC16	Bennet Zelner	Seats (Total: 0)
	Meets May 28, 2016 - July 16, 2016	
	Sa 2:00pm - 6:30pm Class time/details on ELMs	DC C3 ONLINE
	Meets 5/28, 6/11, 6/25, 7/09, Final 7/16. Blended.	
GS11	Charles Olson	Seats (Total: 27)
	Meets June 6, 2016 - July 11, 2016	
	M 6:30pm - 10:00pm Class time/details on ELMs	BLD2 3032 ONLINE
	Meets 6/6, 6/13, 6/20, 6/27, 7/11, Final 7/18. Blended.	

BUSI698 **MBA Consulting Project**

(Perm req)

Credits: 3-6 Grading Method: Regular, Audit

Experiental research project in the identification of management problems, the evaluation of alternative solutions, and the recommendation for management.

Contact department for information to register for this course.

BUSI758M **Special Topics in Business; Managerial Communications**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

DC26	Jeffrey McKinney	Seats (Total: 60)
	Meets July 23, 2016 - July 30, 2016	
	TBA Class time/details on ELMs	DC C3 ONLINE
	Meets 7/23, 7/30. Blended.	

BUSI758O **Special Topics in Business; Building Capacity in Sri Lanka**

(Perm req)

Credits: 3 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

Contact department for information to register for this course.

BUSI759 **Independent Study in Business**

(Perm req)

Credits: 1-6 Grading Method: Regular

Independent study for Masters students in Business.

Contact department for information to register for this course.

BUSI764 **Business Law for Managers**

Credits: 2 Grading Method: Regular

Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BMGT793 or BUSI764. Formerly: BMGT793.

Survey of United States legal institutions and processes as well as substantive areas of the law that affect business. Examination of tort and contract law, the legal forms of business organization and legal liability and major regulatory laws that affect business.

DC10	William McClenahan	Seats (Total: 45)
	Meets June 27, 2016 - July 20, 2016	
	TuTh 6:25pm - 10:00pm	DC C2

BUSI765 **Business Ethics**

Credits: 2 Grading Method: Regular

Survey of applied topics in business ethics, focusing on corporate social responsibility, relationship of law and ethics, and individual ethical decision making.

DC16	Jennifer Gershberg	Seats (Total: 45)
	Meets May 28, 2016 - July 16, 2016	
	Sa 2:00pm - 6:30pm	DC C1
	Class time/details on ELMs	ONLINE
	Meets 5/28, 6/11, 6/25, 7/9, Final 7/16. Blended.	

BUSI785 **Project Management in Dynamic Environments**

Credits: 2 Grading Method: Regular

Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business.

Addresses project management skills that are required by successful managers in increasingly competitive and faster-moving environments. Examines fundamental concepts of successful project management, and the technical and managerial issues, methods, and techniques.

GS10	Barnet Corwin **Meets June 27, 2016 - July 20, 2016** TuTh 6:25pm - 10:00pm	Seats (Total: 45) BLD2 2032

BUSI798K **Global Business Experience; China Ad-Venture**

(Perm req)

Credits: 2 Grading Method: Regular

Provides MBA students the opportunity to combine classroom learning and project research with seminars in a host country. The focus and locations visited will vary.

Contact department for information to register for this course.

CBMG Cell Biology & Molecular Genetics Summer 2016

CBMG699 **Special Problems in Cell Biology and Molecular Genetics**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Emphasis is placed on research and discussion of current problems in th area of Cell Biology and Molecular Genetics.

Contact department for information to register for this course.

CBMG799 **Masters Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular, Sat-Fail

Master's Thesis Research in Cell Biology and Molecular Genetics.

Contact department for information to register for this course.

CBMG899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Doctoral Dissertation Research.

0101	Instructor: TBA **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 20)
0201	Instructor: TBA **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 20)

0213	Jonathan Dinman **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0220	Wenxia Song **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0260	Heven Sze **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0275	David Mosser **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)

CCJS Criminology and Criminal Justice Summer 2016

CCJS100 **Introduction to Criminal Justice**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS

Introduction to the administration of criminal justice in a democratic society, with emphasis on the theoretical and historical development of law enforcement. The principles of organization and administration for law enforcement; functions and specific activities; planning and research; public relations; personnel and training; inspection and control; direction; policy formulation.

0201	Alexander Testa **Meets July 11, 2016 - August 19, 2016** MTuWTh 11:00am - 12:40pm	Seats (Total: 22) TYD 2106
0601	Rebecca Richardson **Meets August 1, 2016 - August 19, 2016** MTuWTh 9:00am - 12:30pm	Seats (Total: 15) TYD 0101
FF61	Rebecca Richardson **Meets August 1, 2016 - August 19, 2016** MTuWTh 9:00am - 12:30pm *Restricted to students in Freshman First. Click here for more course information http://ter.ps/oesff*	Seats (Total: 15) TYD 0101

WB11	Patricia Breen **Meets May 31, 2016 - July 8, 2016** Class time/details on ELMs	Seats (Total: 50) ONLINE
XA21	Alexander Testa **Meets July 11, 2016 - August 19, 2016** MTuWTh 11:00am - 12:40pm	Seats (Total: 13) TYD 2106

CCJS105 **Introduction to Criminology**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS

Criminal behavior and the methods of its study; causation; typologies of criminal acts and offenders; punishment, correction and incapacitation; prevention of crime.

0201	Aaron Safer-Lichtenstein **Meets July 11, 2016 - August 19, 2016** MTuWTh 1:00pm - 2:40pm	Seats (Total: 22) TYD 2106
WB11	Chae Mamayek **Meets May 31, 2016 - July 8, 2016** Class time/details on ELMs	Seats (Total: 50) ONLINE
XA21	Aaron Safer-Lichtenstein **Meets July 11, 2016 - August 19, 2016** MTuWTh 1:00pm - 2:40pm	Seats (Total: 13) TYD 2106

CCJS200 **Statistics for Criminology and Criminal Justice**

(Perm req)

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: FSAR

Prerequisite: CCJS100 or CCJS105. And 1 course with a minimum grade of C- from (STAT100, MATH107, MATH111, MATH120, MATH130, MATH140); or must have completed MATH220 with a minimum grade of C-. Restriction: Must be in Criminology and Criminal Justice program; or permission of BSOS-Criminology & Criminal Justice department. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON230, ECON321, EDMS451, GEOG306, GEOL351, GVPT422, PSYC200 or SOCY201.

Introduction to descriptive and inferential statistics, graphical techniques, and the computer analysis of criminology and criminal justice data. Basic procedures of hypothesis testing, correlation and regression analysis, and the analysis of continuous and binary dependent variables. Emphasis upon the examination of research problems and issues in criminology and criminal justice.

0101	Alan Lehman	Seats (Total: 50)	
	Meets May 31, 2016 - July 8, 2016		
	MTuWTh 1:00pm - 2:40pm	LEF 2166	

CCJS300 **Criminological and Criminal Justice Research Methods**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Prerequisite: CCJS100 and CCJS105; and (PSYC200, CCJS200, ECON321, BMGT230, or SOCY201).

Introduction to the formulation of research questions covering crime and justice, research designs, data collection, and interpretation and reporting in criminological and justice-system settings.

0101	Laure Brooks	Seats (Total: 30)	
	Meets May 31, 2016 - July 8, 2016		
	MTuWTh 9:00am - 10:40am	LEF 2166	

CCJS320 **Introduction to Criminalistics**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CCJS100 and CCJS230.

An introduction to modern methods used in the detection, investigation and solution of crimes. Practical analysis of evidence in a crime laboratory, including fingerprints and other impressions, firearms ID and ballistics, hairs and fibers, document examination, and use of polygraph.

There are lab fees associated with this course.

HY20	Thomas Mauriello	Seats (Total: 24)	
	Meets July 11, 2016 - August 19, 2016		
	Class time/details on ELMs M 9:00am - 11:30am	ONLINE MMH 2401	 Discussion

CCJS345 **Courts and Sentencing**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CCJS100.

Contemporary issues in the American court system such as prosecution, sentencing and punishment. Theoretical perspectives on courtroom decision-making integrated with empirical research. Courts and sentencing processes, including initial charging, pretrial detention and final sentencing outcomes. Innovations in courts and sentencing.

WB11	Anastasia Tosouni	Seats (Total: 40)
	Meets May 31, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE

CCJS359 **Field Training in Criminology and Corrections**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

Supervised field training in public or private social agencies. Group meetings, individual conferences and written program reports.

Contact department for information to register for this course.

CCJS370 **Race, Crime and Criminal Justice**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit , D General Education: DVUP

Prerequisite: CCJS100; or students who have taken courses with comparable content may contact the department.

Role and treatment of racial/ethnic minorities in the criminal justice system. Course will provide students with historical and theoretical framework for understanding this dynamic.

WB21	Christine White	Seats (Total: 40)
	Meets July 11, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

CCJS386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Restriction: Permission of BSOS-Criminology & Criminal Justice department; and junior standing or higher.

Contact department for information to register for this course.

CCJS398 **Law Enforcement Field Training; LAW ENFORCEMENT FIELD TRAINING**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

Supervised, structured and focused field training in law enforcement agencies.

Contact department for information to register for this course.

CCJS399 **Independent Study in Criminology and Criminal Justice**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Integrated reading or research under direction and supervision of a faculty member.

Contact department for information to register for this course.

CCJS452 **Treatment of Criminals and Delinquents**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CCJS105 and CCJS300. Credit only granted for: CCJS 342 or CCJS 452.

Processes and methods used to modify criminal and delinquent behavior.

WB21	Molly Slothower	Seats (Total: 40)
	Meets July 11, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

CCJS604 **Policy Analysis Project**

Credits: 3 Grading Method: Regular

An application of statistical and conceptual tools to criminal justice data in the student's area of concentration, resulting in a paper reporting the conceptualization, analytic methods and results. The topic of the independent study will be chosen through individual consultation with the instructor.

Contact department for information to register for this course.

CCJS651 **Seminar in Criminology**

Credits: 3 Grading Method: Regular, Audit

Formerly: CRIM651.

Analysis of significant recent issues in Criminology.

Contact department for information to register for this course.

CCJS678K **Advanced Topics in Criminology and Criminal Justice; Research Methodology**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

An analysis of contemporary issues in criminology and criminal justice with special emphasis on research and theory developments.

Contact department for information to register for this course.

CCJS678L **Advanced Topics in Criminology and Criminal Justice; Professional Development for Criminology in China**

Credits: 3 Grading Method: Regular, Audit

An analysis of contemporary issues in criminology and criminal justice with special emphasis on research and theory developments.

Contact department for information to register for this course.

CCJS699 **Special Criminological Problems**

Credits: 1-3 Grading Method: Regular, Audit

Supervised study of a selected problem in the field of criminal justice.

Contact department for information to register for this course.

CCJS799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

CCJS899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Doctoral dissertation research in criminal justice and criminology.

Contact department for information to register for this course.

CHBE Chemical and Biomolecular Engineering Summer 2016

CHBE101 **Introduction to Chemical and Biomolecular Engineering**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHEM135; or students who have taken courses with comparable content may contact the department. Corequisite: MATH141. Restriction: Must be in Engineering: Chemical program; or permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE101 or ENCH215. Formerly: ENCH215.

Introduction to methods of chemical engineering calculations and analysis. Stoichiometric relations, material and energy balances, and behavior of gases, vapors, liquids and solids. Analytical and computer methods.

0101	Mohammad Soltanieh	Seats (Total: 45)
	Meets May 31, 2016 - July 8, 2016	
	TuTh 1:00pm - 5:00pm	CHM 1224

CHBE250 **Computer Methods in Chemical Engineering**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: CHBE101; and must have completed or be concurrently enrolled in MATH241. Restriction: Must be in a major within the ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE250 or ENCH250. Formerly: ENCH250.

Algorithm development and application of software to the analysis of chemical engineering problems. File management and editing, graphics and numerical methods. Use of spreadsheets, statistics/math software and process simulators for the design of chemical process equipment.

0201	Nam Sun Wang	Seats (Total: 50)
	Meets July 11, 2016 - August 19, 2016	
	TuTh 9:00am - 1:00pm	CHE 2136

CHBE301 **Chemical and Biomolecular Engineering Thermodynamics I**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHBE101; and must have completed or be concurrently enrolled in CHBE250 and MATH241. Restriction: Must be in Engineering: Chemical program; and permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: ENCH300 or CHBE301. Formerly: ENCH300.

Principles of thermodynamics and their application to engineering problems. First and second laws of thermodynamics, properties of gases, liquids and solids, phase equilibrium, flow and non-flow systems, energy conversion, production of work from heat, thermodynamic analysis of processes, equilibrium stage operations and the thermodynamics of chemically reacting systems.

0201	Mohammad Soltanieh	Seats (Total: 43)
	Meets July 11, 2016 - August 19, 2016	
	TuTh 1:00pm - 5:00pm	PLS 1130

CHBE437 **Chemical and Biomolecular Engineering Laboratory**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHBE424, CHBE426, and CHBE440. Restriction: Must be in a major within ENGR-Chemical & Biomolecular Engineering department; and permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE437 or ENCH437. Formerly: ENCH437.

Application of chemical engineering process and unit operation principals in small-scale semi-commercial equipment. Data from experimental observations are used to evaluate performance and efficiency of operations. Emphasis on correct presentation of results inreport form.

0101	Audaldo Ponce	Seats (Total: 24)	
	Meets May 31, 2016 - July 8, 2016		
	TuTh 11:00am - 12:00pm TuTh 1:00pm - 5:00pm	CHE 2145 Location: TBA	Lab

CHBE468 **Research**

Credits: 1-3

Grading Method: Regular

Investigation of a research project under the direction of a faculty member. Comprehensive reports are required.

0108	Sheryl Ehrman	Seats (Total: 5)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	
0208	Sheryl Ehrman	Seats (Total: 5)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	

CHEM Chemistry Summer 2016

CHEM131 **Chemistry I - Fundamentals of General Chemistry**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

General Education: DSNL (if taken with CHEM132)

Prerequisite: Must have math eligibility of MATH220, MATH130, or MATH140. Corequisite: CHEM132. Recommended: For Science majors. Credit only granted for: CHEM103, CHEM131, CHEM135, CHEM153 or CHEM146. Formerly: CHEM103.

An overview of the Periodic Table, inorganic substances, ionic and covalent bonding, bulk properties of materials, chemical equilibrium, and quantitative chemistry. CHEM131 is the first course in a four-semester sequence for students majoring in the sciences, other than Chemistry and Biochemistry majors.

0131	Earle Stone	Seats (Total: 40)	
	Meets May 31, 2016 - July 8, 2016		
	MTuWThF 8:00am - 9:20am TuTh 10:00am - 11:20am	CHM 1402 CHM 1224	Discussion
0138	Natalia White	Seats (Total: 30)	
	Meets May 31, 2016 - August 19, 2016		
	Tu 6:30pm - 9:30pm Th 6:30pm - 7:20pm	CHM 1402 CHM 1228	Discussion

CHEM132 **General Chemistry I Laboratory**

Credits: 1 Grading Method: Regular, Pass-Fail

Corequisite: CHEM131. Credit only granted for: CHEM103, CHEM132, CHEM136, CHEM143, CHEM147 or CHEM177. Formerly: CHEM103.

Introduction to the quantification of chemical substances, including the concept of the mole and chemical stoichiometry. Additional work involves the synthesis of ionic substances and their qualitative characterization. Must be taken concurrently with CHEM131.

Students must pay a $40.00 lab materials fee.

0131	Earle Stone	Seats (Total: 24)	
	Meets May 31, 2016 - July 8, 2016		
	MWF 9:30am - 12:20pm	CHM 1110	Lab
0138	Natalia White	Seats (Total: 24)	
	Meets May 31, 2016 - August 19, 2016		
	Th 7:30pm - 10:20pm	CHM 1111	Lab

CHEM231 **Organic Chemistry I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHEM131, CHEM135, or CHEM146; and (CHEM132, CHEM136, CHEM147, or CHEM177); and a grade of C- or better in the prerequisites is required of College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: CHEM232. Credit only granted for: CHEM104, CHEM231, CHEM233 or CHEM237. Formerly: CHEM233.

The chemistry of carbon: aliphatic compounds, aromatic compounds, stereochemistry, arenes, halides, alcohols, esters and spectroscopy.

0171	Bonnie Dixon	Seats (Total: 34)	
	Meets May 31, 2016 - July 8, 2016		
	MTuWThF 11:00am - 12:20pm	CHM 1407	
	TuTh 9:30am - 10:50am	CHM 0119	Discussion
0172	Bonnie Dixon	Seats (Total: 34)	
	Meets May 31, 2016 - July 8, 2016		
	MTuWThF 11:00am - 12:20pm	CHM 1407	
	TuTh 9:30am - 10:50am	CHM 0122	Discussion
0173	Bonnie Dixon	Seats (Total: 28)	
	Meets May 31, 2016 - July 8, 2016		
	MTuWThF 11:00am - 12:20pm	CHM 1407	
	TuTh 9:30am - 10:50am	CHM 0128	Discussion
0178	Lee Friedman	Seats (Total: 40)	
	Meets May 31, 2016 - August 19, 2016		
	Tu 6:30pm - 9:30pm	CHM 1224	
	Th 6:30pm - 7:20pm	CHM 1224	Discussion
0271	Monique Koppel	Seats (Total: 33)	
	Meets July 11, 2016 - August 19, 2016		
	MTuWThF 11:00am - 12:20pm	PHY 1410	
	TuTh 9:30am - 10:50am	CHM 1228	Discussion
0272	Monique Koppel	Seats (Total: 27)	
	Meets July 11, 2016 - August 19, 2016		
	MTuWThF 11:00am - 12:20pm	PHY 1410	
	TuTh 9:30am - 10:50am	CHM 0124	Discussion

CHEM232 **Organic Chemistry Laboratory I**

Credits: 1 Grading Method: Regular

Prerequisite: CHEM131 and CHEM132; or (CHEM135 and CHEM136); or (CHEM146 and CHEM147). And a grade of C- or better in the prerequisites is required for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: CHEM231. Credit only granted for: CHEM104, CHEM231, CHEM233 or CHEM237. Formerly: CHEM233.

Provides experience in developing some basic laboratory techniques, recrystallization, distillation, extraction, chromatography.

Students must pay a $40.00 Laboratory Materials fee.

0171	Bonnie Dixon **Meets May 31, 2016 - July 8, 2016** MWF 8:00am - 10:50am	Seats (Total: 18) CHM 1360	Lab
0172	Bonnie Dixon **Meets May 31, 2016 - July 8, 2016** MWF 8:00am - 10:50am	Seats (Total: 18) CHM 1356	Lab
0173	Bonnie Dixon **Meets May 31, 2016 - July 8, 2016** MWF 8:00am - 10:50am	Seats (Total: 18) CHM 1346	Lab
0178	Lee Friedman **Meets May 31, 2016 - August 19, 2016** Th 7:30pm - 10:20pm	Seats (Total: 18) CHM 1342	Lab
0271	Monique Koppel **Meets July 11, 2016 - August 19, 2016** MWF 8:00am - 10:50am	Seats (Total: 18) CHM 1360	Lab
0272	Monique Koppel **Meets July 11, 2016 - August 19, 2016** MWF 8:00am - 10:50am	Seats (Total: 18) CHM 1356	Lab

CHEM241 **Organic Chemistry II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHEM231 and CHEM232; or CHEM237. And a grade of C- or better in the prerequisites is required for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Credit only granted for: CHEM241, CHEM243 or CHEM247. Formerly: CHEM243.

A continuation of CHEM231 with emphasis on molecular structure; substitution reactions; carbonium ions; aromaticity; synthetic processes; macromolecules.

0191	Joseph Houck	Seats (Total: 34)	
	Meets May 31, 2016 - July 8, 2016		
	MTuWThF 11:00am - 12:20pm TuTh 9:30am - 10:50am	CHM 1402 CHM 0127	Discussion
0192	Joseph Houck	Seats (Total: 35)	
	Meets May 31, 2016 - July 8, 2016		
	MTuWThF 11:00am - 12:20pm TuTh 9:30am - 10:50am	CHM 1402 CHM 1228	Discussion
0291	Lenea Stocker	Seats (Total: 34)	
	Meets July 11, 2016 - August 19, 2016		
	MTuWThF 11:00am - 12:20pm TuTh 9:30am - 10:50am	CHM 1407 CHM 0127	Discussion
0292	Lenea Stocker	Seats (Total: 34)	
	Meets July 11, 2016 - August 19, 2016		
	MTuWThF 11:00am - 12:20pm TuTh 9:30am - 10:50am	CHM 1407 CHM 0128	Discussion
0293	Lenea Stocker	Seats (Total: 34)	
	Meets July 11, 2016 - August 19, 2016		
	MTuWThF 11:00am - 12:20pm TuTh 9:30am - 10:50am	CHM 1407 HBK 1112	Discussion

CHEM242 **Organic Chemistry Laboratory II**

Credits: 1 Grading Method: Regular

Prerequisite: CHEM231 and CHEM232; or CHEM237. And a grade of C- or better in the prerequisites is required for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: CHEM241. Credit only granted for: CHEM243 or CHEM247. Formerly: CHEM243.

Synthetic organic chemistry through functional group manipulation, introduction to instrumentation essential to analysis and structure elucidation.

Students must pay a $40.00 Laboratory Materials fee.

0191	Joseph Houck	Seats (Total: 18)	
	Meets May 31, 2016 - July 8, 2016		
	MWF 8:00am - 10:50am	CHM 1326	Lab

0192	Joseph Houck **Meets May 31, 2016 - July 8, 2016** MWF 8:00am - 10:50am	Seats (Total: 18) CHM 1330	 Lab
0291	Lenea Stocker **Meets July 11, 2016 - August 19, 2016** MWF 8:00am - 10:50am	Seats (Total: 18) CHM 1326	 Lab
0292	Lenea Stocker **Meets July 11, 2016 - August 19, 2016** MWF 8:00am - 10:50am	Seats (Total: 18) CHM 1330	 Lab
0293	Lenea Stocker **Meets July 11, 2016 - August 19, 2016** MWF 8:00am - 10:50am	Seats (Total: 18) CHM 1308	 Lab

CHEM271 **General Chemistry and Energetics**

Credits: 2

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHEM241 and CHEM242; or CHEM247. And a grade of C- or better in the prerequisites for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: CHEM272. Credit only granted for: CHEM113, CHEM153, CHEM271 or CHEM276. Formerly: CHEM113.

An introduction to the physical aspects of chemistry; chemical kinetics thermodynamics and electrochemistry in the context of current chemistry research.

0241	Elizabeth Griffith **Meets July 11, 2016 - August 19, 2016** MWF 11:00am - 12:20pm TuTh 9:30am - 10:50am	Seats (Total: 24) CHM 1402 CHM 1224	 Discussion
0242	Elizabeth Griffith **Meets July 11, 2016 - August 19, 2016** MWF 11:00am - 12:20pm TuTh 9:30am - 10:50am	Seats (Total: 24) CHM 1402 CHM 0119	 Discussion

CHEM272 **General Bioanalytical Chemistry Laboratory**

Credits: 2

Grading Method: Regular, Pass-Fail

Prerequisite: CHEM241 and CHEM242; or CHEM247. And a grade of C- or better in the prerequisites is required for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: CHEM271. Credit only granted for: CHEM227, CHEM272 or CHEM277.

An introduction to analytical chemistry with an emphasis on bio-analytical instrumentation and techniques.

Students must pay a $40.00 laboratory materials fee.

0241	Elizabeth Griffith **Meets July 11, 2016 - August 19, 2016** TuTh 11:00am - 12:20pm MWF 8:00am - 10:50am	Seats (Total: 24) CHM 1402 CHM 1112	 Lab
0242	Elizabeth Griffith **Meets July 11, 2016 - August 19, 2016** TuTh 11:00am - 12:20pm MWF 8:00am - 10:50am	Seats (Total: 24) CHM 1402 CHM 1128	 Lab
0243	Elizabeth Griffith **Meets July 11, 2016 - August 19, 2016** TuTh 11:00am - 12:20pm MWF 8:00am - 10:50am	Seats (Total: 24) CHM 1402 CHM 1111	 Lab

CHEM398 **Special Projects**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Honors projects for undergraduate students.

0241	Instructor: TBA **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)

CHEM399 **Introduction to Chemical Research**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Basic (chemical) research conducted under the supervision of a faculty member.

Contact department for information to register for this course.

CHEM399A **Introduction to Chemical Research**

(Perm req) Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Basic (chemical) research conducted under the supervision of a faculty member.

Prerequisite: permission of department.

0106	Neil Blough **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0112	Instructor: TBA **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0141	Instructor: TBA **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0194	Efrain Rodriguez **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0206	Neil Blough **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0212	Instructor: TBA **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0241	Instructor: TBA **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0242	Paul Paukstelis **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0269	John Fourkas **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)

0294	Efrain Rodriguez **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)

CHEM399B **Introduction to Chemical Research**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Basic (chemical) research conducted under the supervision of a faculty member.

Prerequisite: permission of department.

0141	Instructor: TBA **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0167	Herman Sintim **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 1)
0176	Instructor: TBA **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0194	Instructor: TBA **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0241	Instructor: TBA **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0242	Paul Paukstelis **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0267	Herman Sintim **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 1)

0270	Nicole LaRonde **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0276	Instructor: TBA **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)

CHEM399C **Introduction to Chemical Research**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Basic (chemical) research conducted under the supervision of a faculty member.

Prerequisite: permission of department.

0106	Neil Blough **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0141	Instructor: TBA **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0206	Neil Blough **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0241	Instructor: TBA **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)

CHEM399X **Introduction to Chemical Research**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Basic (chemical) research conducted under the supervision of a faculty member.

Prerequisite: permission of department.

0101	Michael Montague-Smith **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0102	Lee Friedman **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0201	Michael Montague-Smith **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)

CHEM699 **Special Problems in Chemistry**

Credits: 1-6 Grading Method: Regular, Audit

Laboratory experience in a research environment.

Contact department for information to register for this course.

CHEM799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

CHEM898 **Pre-Candidacy Research**

Credits: 1 Grading Method: Regular, Sat-Fail

0101	Instructor: TBA **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0201	Instructor: TBA **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0212	Bryan Eichhorn **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)

0283	Michael Zachariah **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
I101	Herman Sintim **Meets May 31, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
I201	Herman Sintim **Meets May 31, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)

CHEM899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

CHIN Chinese Summer 2016

CHIN169A **Special Topics in Study Abroad I; Elementary Chinese I**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHIN169B **Special Topics in Study Abroad I; Elementary Chinese II**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHIN169C **Special Topics in Study Abroad I; Introduction to Chinese Language I**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHIN169D **Special Topics in Study Abroad I; Introduction to Chinese Lanuage II**

Credits: 1 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHIN201 **Intermediate Spoken Chinese I**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO

Prerequisite: CHIN102; or must have attained appropriate Foreign Language Placement Test (FLPT) score. Corequisite: CHIN202. Additional information: Must be taken in conjunction with CHIN202.

Emphasis on development of conversational skills with vocabulary build-up and controlled conversation.

CHIN201 and 202 are co-requisites. Students must take both together.

0101	Jungjung Lee-Heitz	Seats (Total: 15)	
	Meets May 31, 2016 - July 8, 2016		
	MTuWThF 9:00am - 10:30am	ASY 3221	
	MTuWThF 12:00pm - 1:00pm	ASY 3221	Lab

CHIN202 **Intermediate Written Chinese I**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO

Prerequisite: CHIN103; or must have attained appropriate Foreign Language Placement Test (FLPT) score. Corequisite: CHIN201. Additional information: Must be taken in conjunction with CHIN201.

Reading and writing skills with emphasis on grammar and Chinese characters.

CHIN201 and 202 are co-requisites. Students must take both together.

0101	Jungjung Lee-Heitz	Seats (Total: 15)	
	Meets May 31, 2016 - July 8, 2016		
	MTuWThF 10:30am - 12:00pm	ASY 3221	
	MTuWThF 1:00pm - 2:00pm	ASY 3215	Lab

CHIN203 **Intermediate Spoken Chinese II**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO

Prerequisite: CHIN201; or students who have taken courses with comparable content may contact the department; or must have attained appropriate Foreign Language Placement Test (FLPT) score. Corequisite: CHIN204. Additional information: Must be taken in conjunction with CHIN204.

Continuation of CHIN201.

CHIN203 and 204 are co-requisites. Students must take both together.

0201	Yuli Wang	Seats (Total: 15)	
	Meets July 11, 2016 - August 19, 2016		
	MTuWThF 9:00am - 10:30am	KEY 0119	
	MTuWThF 12:00pm - 1:00pm	KEY 0123	Lab

CHIN204 **Intermediate Written Chinese II**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO

Prerequisite: CHIN202; or students who have taken courses with comparable content may contact the department; or must have attained appropriate Foreign Language Placement Test (FLPT) score. Corequisite: CHIN203. Additional information: Must be taken in conjunction with CHIN203.

Continuation of CHIN202.

CHIN203 and 204 are co-requisites. Students must take both together.

0201	Yuli Wang	Seats (Total: 15)	
	Meets July 11, 2016 - August 19, 2016		
	MTuWThF 10:30am - 12:00pm	KEY 0123	
	MTuWThF 1:00pm - 2:00pm	KEY 0123	Lab

CHIN269A **Special Topics in Study Abroad II; Exploring Confucius' China**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHIN269B **Special Topics in Study Abroad II; Chinese Business Issues and Practices**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHIN269I **Special Topics in Study Abroad II; Intermediate Spoken Chinese I**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHIN269J **Special Topics in Study Abroad II; Intermediate Chinese I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHIN269K **Special Topics in Study Abroad II; Intermediate Chinese II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHIN269P **Special Topics in Study Abroad II; The China Phenomenon: Society, Politics and Business**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHIN269V **Special Topics in Study Abroad II; Chinese Calligraphy I**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHIN269W **Special Topics in Study Abroad II; Chinese Calligraphy II**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHIN269Z **Special Topics in Study Abroad II; Modern Chinese Culture and Society**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHIN301 **Advanced Chinese I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHIN202; or students who have taken courses with comparable content may contact the department. And must have taken a placement interview offered by the department for Non-majors.

Readings in expository and fictional writing with conversation and composition.

Contact department for information to register for this course.

CHIN302 **Advanced Chinese II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHIN301; or students who have taken courses with comparable content may contact the department. And must have taken a placement interview offered by the department for Non-majors.

Continuation of CHIN301.

Contact department for information to register for this course.

CHIN369B **Special Topics in Study Abroad III; Advanced Chinese I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHIN369C **Special Topics in Study Abroad III; Advanced Chinese II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHIN369E **Special Topics in Study Abroad III; Advanced Chinese IV**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHPH Chemical Physics Summer 2016

CHPH718D **Special Topics in Chemical Physics; Sodium Spinor Bose-Einstein Condensation**

Credits: 3 Grading Method: Regular, Audit

A discussion of current research problems in chemical physics.

0149	Paul Lett	Seats (Total: 5)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	

CHPH799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

CHPH898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

CHPH899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

CLAS Classics Summer 2016

CLAS170 **Greek and Roman Mythology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HL General Education: DSHU

Also offered as: RELS170. Credit only granted for: CLAS170 or RELS170. Additional information: This course cannot be taken for language credit.

An introduction to the mythology of ancient Greece and Rome. This cours is particularly recommended for students planning to major in foreign languages, English, history, the fine arts, or journalism. Taught in English.

0201	Rachel Mullervy **Meets July 11, 2016 - August 19, 2016** MTuWTh 10:00am - 11:40am	Seats (Total: 15) KEY 0125
WB11	William Proffitt **Meets May 31, 2016 - July 8, 2016** Class time/details on ELMs	Seats (Total: 30) ONLINE
XA21	Rachel Mullervy **Meets July 11, 2016 - August 19, 2016** MTuWTh 10:00am - 11:40am	Seats (Total: 14) KEY 0125

CLAS269R **Special Topics in Study Abroad II; Are We Rome?**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CLAS289A **Are We Rome?**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: SH General Education: DSHS, DSHU, SCIS

WB21	Gregory Staley **Meets July 11, 2016 - August 19, 2016** Class time/details on ELMs	Seats (Total: 30) ONLINE

CLAS369K **Special Topics in Study Abroad III; History and Archaeology of Corinth and Its Environs in Ancient Greece**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CLAS380 **Archaeological Fieldwork in Greece**

Credits: 4 Grading Method: Regular General Education: DSHS, DSHU

Credit only granted for: CLAS369K or CLAS380. Formerly: CLAS369K.

Students will learn about the archaeology, history and culture of Greece by participating in the archaeological investigations at Kenchreai, the eastern port of ancient Corinth. Students will learn about data analysis, artifact processing, and conservation, all important components in archaeological fieldwork. This program also gives students a rare chance to live and to learn in one of the most archaeologically rich, historically important, and naturally beautiful regions in Greece, the northeastern Peloponnese. Students will visit sites and museums throughout this region, attend seminars, and experience life in a small village. In this way they will learn not only about the practice of archaeological field research, but also about Greek history and culture from ancient to modern times. While the course focuses on southern Greece during the Roman Empire and Late Antiquity, a period of prosperity and diversity at Kenchreai and in its broader area, students will also explore cultural and historical developments that influenced other regions and longer periods, from the Bronze Age to the Modern era, including religion and cult-practice, art and iconography, settlement and the environment, and the construction of identity.

Contact department for information to register for this course.

CLAS499 **Independent Study in Classical Languages and Literatures**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

CLAS499P **Independent Study in Classical Languages and Literatures; Classical Myths in Europe: Paris**

Credits: 1

Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

CLAS699 **Independent Study in Classical Civilization**

(Perm req)

Credits: 1-3

Grading Method: Regular, Audit

Contact department for information to register for this course.

CLAS799 **Master's Thesis Research**

(Perm req)

Credits: 1-6

Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

CLFS Chemical and Life Sciences Summer 2016

CLFS608 **Seminar in Current Topics in Chemical and Life Science; Scholarly Paper**

(Perm req)

Credits: 1-3

Grading Method: Regular, Audit

Seminar in current topics in the Life Sciences. Contact Program Directo or instructor before registering.

Contact Dr. Brett Kent (bkent@umd.edu) to establish a mentor; and then contact the Office of Extended Studies (oes@umd.edu) to register for this class.

Contact department for information to register for this course.

CLFS608A **Seminar in Current Topics in Chemical and Life Science; Independent Research**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Seminar in current topics in the Life Sciences. Contact Program Directo or instructor before registering.

Contact the Office of Extended Studies (oes@umd.edu) to register for this class.

Contact department for information to register for this course.

CLFS609D **Special Topics; Microbiology**

Credits: 3 Grading Method: Regular, Audit

Individual instruction course. Contact Program Director or instructor before registering.

PL01	Robert Hall	Seats (Total: 20)
	Meets May 31, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE
	Restricted to students in the CLFS program.	

CLFS609G **Special Topics; Biology of Cancer**

Credits: 3 Grading Method: Regular, Audit

Individual instruction course. Contact Program Director or instructor before registering.

PL01	Philip Ryan	Seats (Total: 20)
	Meets May 31, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE
	Restricted to students in the CLFS program.	

CLFS609J **Special Topics; Evolutionary Biology**

Credits: 3 Grading Method: Regular, Audit

Individual instruction course. Contact Program Director or instructor before registering.

PL01	Janet Norcross	Seats (Total: 31)
	Meets May 31, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE
	Restricted to students in the CLFS program.	

CLFS655 **The Chemistry and Applications of Electrochemical Cells**

Credits: 3 Grading Method: Regular, Audit

Chemistry of electrochemical cells including the thermodynamic basis for the production of electrical energy by cells, the chemical reactions utilized by the most common cells, the manufacture of cells, and the application of cells in energy production.

PL01	Marjan Alaghmand	Seats (Total: 20)
	Meets May 31, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE
	Restricted to students in the CLFS program.	

CLFS660 **Biodiversity and Conservation Biology**

Credits: 3 Grading Method: Regular, Audit

Application of ecological and evolutionary principles to assess the impact of the human species on the environment and its inhabitants. Specific case studies are included to illustrate problems of bidiversityloss and actions required to reverse the trends.

PL01	Marcia Shofner	Seats (Total: 24)
	Meets May 31, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE
	Restricted to students in the CLFS program.	

CLFS725 **Experimental Design**

Credits: 2 Grading Method: Regular, Audit

Credit only granted for: LFSC710, LFSC719, or LFSC725. Formerly: LFSC719.

Experimental design and statistics for science teachers that emphasizes the underlying structure of data and how this affects the quality and reliability of experiments. Examines the nature of data, the methods for designing rigorous experiments, important experimental design formats, and the relationships between data structure and analysis. Course work focuses on the design and analysis of orginal experiments for a series of research problems.

PL01	Bretton Kent	Seats (Total: 30)
	Meets May 31, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE
	Restricted to students in the CLFS program.	

CMSC Computer Science Summer 2016

CMSC122 **Introduction to Computer Programming via the Web**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: IE | General Education: DSSP

Restriction: Must not have completed any courses from CMSC131-499 course range; and must not be concurrently enrolled in CMSC131. Credit only granted for: CMSC122 or CMSC198N. Formerly: CMSC198N.

Introduction to computer programming in the context of developing full featured dynamic web sites. Uses a problem solving approach to teach basics of program design and implementation using JavaScript; relates these skills to creation of dynamic web sites; then explores both the potential and limits of web-based information sources for use in research. Intended to help relate a student's major to these emerging technologies.

YS41	Nelson Padua-Perez	Seats (Total: 10)
	Meets July 11, 2016 - July 29, 2016	
	MTuWThF 10:00am - 12:30pm	CSI 2118
	This section is part of the Young Scholars Program. Enrollment is by permission only. Please access the Summer Programs website for further information.	

CMSC131 **Object-Oriented Programming I**

(Perm req)

Credits: 4 | Grading Method: Regular

Corequisite: MATH140; and permission of CMNS-Computer Science department.

Introduction to programming and computer science. Emphasizes understanding and implementation of applications using object-oriented techniques. Develops skills such as program design and testing as well as implementation of programs using a graphical IDE. Programming done in Java.

For CMSC majors only.

0101	Fawzi Emad	Seats (Total: 44)
	Meets May 31, 2016 - August 7, 2016	
	MTuWThF 11:05am - 12:25pm	CSI 3117

CMSC132 **Object-Oriented Programming II**

(Perm req)

Credits: 4 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC131; or must have earned a score of 5 on the A Java AP exam. Or permission of the department based on satisfactory performance on the department placement exam; and minimum grade of C- in MATH140; and permission of CMNS-Computer Science department.

Introduction to use of computers to solve problems using software engineering principles. Design, build, test, and debug medium -size software systems and learn to use relevant tools. Use object-oriented methods to create effective and efficient problem solutions. Use and implement application programming interfaces (APIs). Programming done in Java.

0101	Anwar Mamat	Seats (Total: 104)
	Meets May 31, 2016 - August 7, 2016	
	MTuWThF 9:30am - 10:50am	CSI 1115

CMSC198B **Special Topics in Computer Science for Non-Majors; A Hands Off Approach**

(Perm req)

Credits: 1-4 Grading Method: Regular, Pass-Fail, Audit

A course designed to allow non-computer science majors and non-computer engineering majors to pursue a specialized topic or project.

YS41	William Gasarch	Seats (Total: 9)
	Meets July 11, 2016 - July 29, 2016	
	MTuWThF 10:00am - 1:00pm	JMP 1202
	This section is part of Terp Young Scholars. Enrollment by permission only.	

CMSC216 **Introduction to Computer Systems**

(Perm req)

Credits: 4 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC132; and minimum grade of C- in MATH141. Corequisite: CMSC250. Credit only granted for: CMSC212, (CMSC213 and CMSC313), or CMSC216.

Machine representation of data including integers and floating point. Modern computer architectural features and their interaction with software (registers, caches). Interaction between user programs and the OS: system class, process, and thread management. Optimizing software to improve runtime performance using both compilers and hand turning.

0101	Nelson Padua-Perez	Seats (Total: 123)
	Meets May 31, 2016 - August 7, 2016	
	MTuWThF 2:05pm - 3:25pm	CSI 1115

CMSC250 **Discrete Structures**

(Perm req)

Credits: 4 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC131; and minimum grade of C- in MATH141. Restriction: Permission of CMNS-Computer Science department. Formerly: CMSC150.

Fundamental mathematical concepts related to computer science, includin finite and infinite sets, relations, functions, and propositional logic. Introduction to other techniques, modeling and solving problems in computer science. Introduction to permutations, combinations, graphs, and trees with selected applications.

0101	Iason Filippou	Seats (Total: 56)
	Meets May 31, 2016 - July 22, 2016	
	MTuWThF 12:30pm - 2:00pm	CSI 3117

CMSC298A **Special Topics in Computer Science**

Credits: 1-3 Grading Method: Sat-Fail

A course designed to allow a lower level student to pursue a specialize topic or project.

Contact department for information to register for this course.

CMSC330 **Organization of Programming Languages**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC250 and CMSC216; and permission of CMNS-Computer Science department.

The semantics of programming languages and their run-time organization. Several different models of languages are discussed, including procedural (e.g., C, Pascal), functional (e.g., ML, LISP), rule-based (e.g., Prolog), and object-oriented (e.g., C++, Smalltalk). Run-time structures, including dynamic versus static scope rules, storage for strings, arrays, records, and object inheritance are explored.

0101	Anwar Mamat	Seats (Total: 70)
	Meets May 31, 2016 - July 22, 2016	
	MTuWThF 11:00am - 12:20pm	CSI 1115

CMSC351 **Algorithms**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC250 and CMSC216; and permission of CMNS-Computer Science department. Credit only granted for: CMSC251 or CMSC351. Additional information: CMSC351 may not count as one of the required upper level CMSC courses for students who are required to have 24 upper level CMSC credits for graduation, i.e. for students who became computer science majors prior to Fall, 2002.

A systematic study of the complexity of some elementary algorithms related to sorting, graphs and trees, and combinatorics. Algorithms are analyzed using mathematical techniques to solve recurrences and summations.

0101	Clyde Kruskal	Seats (Total: 63)
	Meets May 31, 2016 - July 8, 2016	
	MTuWThF 9:30am - 10:55am	CSI 3117

CMSC389N **Special Topics in Computer Science; Introduction to PHP and JavaScript**

(Perm req)

Credits: 3 Grading Method: Regular

Seminar courses that allow students to pursue new and emerging areas of Computer Science; course may be used as electives for the undergraduate degree and minor.

Prerequisite: CMSC216 and CMSC250. Credit only granted for CMSC389J and CMSC389P; or CMSC389N. An introduction to the development of Web-based applications using PHP, JavaScript, MySQL, and Apache. The course covers fundamental programming language constructs of both PHP and JavaScript, forms, sessions, interation with MySQL via PHP, DOM, and JavaScript event-handling. In addition, popular JavaScript libraries (e.g., JQuery, Angular) will be discussed.

0101	Nelson Padua-Perez	Seats (Total: 40)
	Meets May 31, 2016 - July 8, 2016	
	MWF 10:00am - 12:25pm	CSI 2117

CMSC411 **Computer Systems Architecture**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC330; or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Restriction: Permission of CMNS-Computer Science department.

Input/output processors and techniques. Intra-system communication, buses, caches. Addressing and memory hierarchies. Microprogramming, parallelism, and pipelining.

0201	Michelle Hugue	Seats (Total: 55)
	Meets July 11, 2016 - August 19, 2016	
	MTuWThF 11:00am - 12:20pm	CSI 2117

CMSC420 **Data Structures**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC351 and CMSC330; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program.

Description, properties, and storage allocation of data structures including lists and trees. Algorithms for manipulating structures. Applications from areas such as data processing, information retrieval, symbol manipulation, and operating systems.

0101	Michelle Hugue	Seats (Total: 60)
	Meets May 31, 2016 - July 22, 2016	
	MTuWTh 12:30pm - 1:55pm	CSI 2117

CMSC498A **Selected Topics in Computer Science**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

An individualized course designed to allow a student or students to pursue a selected topic not taught as a part of the regular course offerings under the supervision of a Computer Science faculty member. In addition, courses dealing with topics of special interest and/or new emerging areas of computer science will be offered with this number. Selected topics courses will be structured very much like a regular course with homework, project and exams. Credit according to work completed

Contact department for information to register for this course.

CMSC499A **Independent Undergraduate Research**

Credits: 1-3 Grading Method: Regular

Students are provided with an opportunity to participate in a computer science research project under the guidance of a faculty advisor. Format varies. Students and supervising faculty member will agree to a research plan which must be approved by the department. As part of each research plan, students should produce a final paper delineating their contribution to the field.

Contact department for information to register for this course.

CMSC798 **Graduate Seminar in Computer Science**

Credits: 1-3 Grading Method: Regular, Audit

0101	Ashok Agrawala **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0102	John Aloimonos **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0103	Victor Basili **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0104	Larry Davis **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0105	Bonnie Dorr **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0106	Howard Elman **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0107	Hal Daume **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0108	Manoj Franklin **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)

0109	Jeffrey Foster **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0110	William Gasarch **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0111	Hector Bravo **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0112	James Hendler **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0113	Jeffrey Hollingsworth **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0114	Peter Keleher **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0115	Samir Khuller **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0116	Elaine Shi **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0119	David Mount **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0120	Dana Nau **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)

0121	Dianne O'Leary **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0122	Donald Perlis **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0123	Adam Porter **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0124	William Pugh **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0125	James Purtilo **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0126	James Reggia **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0127	Nicholas Roussopoulos **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0129	Hanan Samet **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0130	A.U. Shankar **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0131	Ben Shneiderman **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)

0133	Gilbert Stewart **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0134	Venkatramanan Subrahmanian **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0135	Chau-Wen Tseng **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0140	Ben Bederson **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0141	Amy Weinberg **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0142	Samrat Bhattacharjee **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0144	Amitabh Varshney **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0145	William Arbaugh **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0147	Ramalingam Chellappa **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0148	Aravind Srinivasan **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)

0149	Alan Sussman **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0150	Atif Memon **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0155	Michael Cummings **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0156	Lise Getoor **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0158	Allison Druin **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0159	Francois Guimbretiere **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0160	David Jacobs **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0161	Louiqa Raschid **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0162	Michel Cukier **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0163	Michael Hicks **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)

0164	Jonathan Katz **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0165	Philip Resnik **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0166	Leila Defloriani **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0167	Amol Deshpande **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0168	Ramani Duraiswami **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0169	Steven Salzberg **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0170	Neil Spring **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0171	Uzi Vishkin **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0175	Mihai Pop **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0176	Jon Froehlich **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)

0178	John Horty **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0179	Michelle Hugue **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0181	Douglas Oard **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0184	Walter Cleaveland **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0185	Jimmy Lin **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0186	Vibha Sazawal **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0187	Jordan Boyd-Graber **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0190	Michelle Mazurek **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0191	Andrew Childs **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0192	Niklas Elmqvist **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)

0193	Leah Findlater **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 20)
0201	Ashok Agrawala **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0202	John Aloimonos **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0203	Victor Basili **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0204	Larry Davis **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0205	Bonnie Dorr **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0206	Howard Elman **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0207	Hal Daume **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0208	Manoj Franklin **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0209	Jeffrey Foster **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)

0210	William Gasarch **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0211	Hector Bravo **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0212	James Hendler **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0213	Jeffrey Hollingsworth **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0214	Peter Keleher **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0215	Samir Khuller **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0216	Elaine Shi **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0219	David Mount **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0220	Douglas Oard **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0222	Donald Perlis **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)

0223	Adam Porter **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0224	William Pugh **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0225	James Purtilo **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0226	James Reggia **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0227	Nicholas Roussopoulos **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0229	Hanan Samet **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0230	A.U. Shankar **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0231	Ben Shneiderman **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0233	Gilbert Stewart **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0234	Venkatramanan Subrahmanian **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)

0235	Chau-Wen Tseng **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0240	Ben Bederson **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0241	Amy Weinberg **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0242	Samrat Bhattacharjee **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0244	Amitabh Varshney **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0245	William Arbaugh **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0247	Ramalingam Chellappa **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0248	Aravind Srinivasan **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0249	Alan Sussman **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0250	Atif Memon **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)

0255	Michael Cummings **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0256	Lise Getoor **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0258	Allison Druin **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0259	Francois Guimbretiere **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0260	David Jacobs **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0261	Louiqa Raschid **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0262	Michel Cukier **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0263	Michael Hicks **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0264	Jonathan Katz **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0265	Philip Resnik **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)

0266	Leila Defloriani **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0267	Amol Deshpande **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0268	Ramani Duraiswami **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0269	Steven Salzberg **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0270	Neil Spring **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0271	Uzi Vishkin **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0275	Mihai Pop **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0276	Jon Froehlich **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0278	John Horty **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0279	Michelle Hugue **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)

0280	Dianne O'Leary **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0284	Walter Cleaveland **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0285	Jimmy Lin **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0286	Vibha Sazawal **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0287	Jordan Boyd-Graber **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0290	Michelle Mazurek **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0291	Andrew Childs **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0292	Niklas Elmqvist **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0293	Leah Findlater **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 20)

CMSC798A **Graduate Seminar in Computer Science**

(Perm req)

Credits: 1

Grading Method: Regular, Audit

Contact department for information to register for this course.

CMSC799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

CMSC898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular, Sat-Fail

Prerequisite: permission of instructor. Advanced topics selected by the faculty from the literature of applications of computer science to suit the interest and background of students. May be repeated for credit.

Contact department for information to register for this course.

CMSC899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

COMM Communication Summer 2016

COMM107 **Oral Communication: Principles and Practices**

Credits: 3 Grading Method: Regular, Pass-Fail General Education: FSOC

Credit only granted for: COMM107, COMM200, ENES143, INAG110, JOUR130 or THET285.

A study of and practice in oral communication, including principles of interviewing, group discussion, listening, informative briefings, and persuasive speeches.

0101	Sifan Xu **Meets May 31, 2016 - July 8, 2016** TuTh 6:30pm - 9:50pm	Seats (Total: 19) PLS 1180
0103	Julio Bermejo **Meets May 31, 2016 - July 8, 2016** MW 9:00am - 12:25pm	Seats (Total: 19) PLS 1113
0201	Kathleen Brown **Meets July 11, 2016 - August 19, 2016** MW 6:30pm - 9:50pm	Seats (Total: 19) SKN 0104

COMM200 **Critical Thinking and Speaking**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO | General Education: FSOC

Credit only granted for: COMM107, COMM200, ENES143, INAG110, JOUR130, OR THET285.

Theory and practice of persuasive discourse analysis and composition. Research techniques, logical and rhetorical conceptions of argument, and technical principles for persuading in public venues.

WB11	Jade Olson **Meets May 31, 2016 - July 8, 2016** Class time/details on ELMs	Seats (Total: 19) ONLINE
WB12	Janna Soeder **Meets May 31, 2016 - July 8, 2016** Class time/details on ELMs	Seats (Total: 19) ONLINE

COMM201 **Introduction to Public Relations**

Credits: 3 | Grading Method: Regular

Basic concepts and principles of public relations. Roles in organizations and society; history; skills and practices of public relations; theories and models of effective and ethical public relations.

0201	Sahar Khamis **Meets July 11, 2016 - August 19, 2016** TuTh 1:00pm - 4:20pm	Seats (Total: 28) SKN 1112

COMM250 **Introduction to Communication Inquiry**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

An introduction to the field of communication. Definitions, models, and contexts of communication; rhetorical theory and rhetorical criticism of discourse.

WB11	Susan Hubbard **Meets May 31, 2016 - July 8, 2016** Class time/details on ELMs	Seats (Total: 40) ONLINE

COMM288 **Communication Internship**

(Perm req)

Credits: 1-6 | Grading Method: Regular, Pass-Fail, Audit

An individual experience arranged by the student with the instructor. Does not satisfy communication major requirements. 45 hours of supervised internship per credit hour with communication professional. Not a substitute for COMM386.

I101	Julie Gowin **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 50)
I102	Julie Gowin **Meets May 31, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 75)
I201	Julie Gowin **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 50)

COMM298L **Selected Topics in Communication; Speak Up!: People, Publics, and You**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topical study of contemporary issues in communication.

YS41	Melissa Lucas, Savreen Hundal **Meets July 11, 2016 - July 29, 2016** MTuWThF 9:00am - 12:00pm *This section is part of Terp Young Scholars. Enrollment by permission only.*	Seats (Total: 7) KEY 0120

COMM324 **Communication and Gender**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit , D General Education: DVUP

The creation of images of male and female, and masculine and feminine, through communication, the differences in male and female communication behaviors and styles, and the implications of those images and styles for male-female transactions.

0101	Lauren Bender **Meets May 31, 2016 - July 8, 2016** MW 9:00am - 12:25pm	Seats (Total: 35) TYD 0111

COMM331 **News Writing and Reporting for Public Relations**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: COMM201; and must have completed or be concurrently enrolled in JOUR181. Restriction: Must be in Communication program; and (sophomore standing; or junior standing). Or permission of ARHU-Communication department. Credit only granted for: JOUR201, COMM231, or COMM331. Formerly: COMM231.

Writing and researching news and information media for public relations; laboratory in news-gathering tools and writing techniques for public relations.

0101	Lara Hollenczer	Seats (Total: 18)
	Meets May 31, 2016 - July 8, 2016	
	TuTh 2:00pm - 5:20pm	EGR 3140

COMM360 **The Rhetoric of Black America**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

, D

An historical-critical survey of the rhetoric of Black Americans from the colonial period to the present.

0201	Jessica Lu	Seats (Total: 35)
	Meets July 11, 2016 - August 19, 2016	
	TuTh 6:30pm - 9:50pm	KEY 0116

COMM369B **Special Topics in Study Abroad III; British Documentary Tradition**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

COMM369D **Special Topics in Study Abroad III; Digital Media in London**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

COMM369O **Special Topics in Study Abroad III; Organizational Communication in Italy**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

COMM371 **Communication and Digital Media**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in Communication program. Credit only granted for: COMM371 or COMM398V. Formerly: COMM398V.

A basic introduction to communication in the digital age. Through class lectures, assignments and projects, students will learn to effectively use new media for the purpose of strategic message creation and management used in the field of communication. Students will apply the basics of visual layout skills and the principles of visual design to create messages using words and images.

WB21	Annie Nichols **Meets July 11, 2016 - August 19, 2016** Class time/details on ELMs	Seats (Total: 35) ONLINE

COMM386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail General Education: DSSP

Prerequisite: Permission of ARHU-Communication department. Restriction: Junior standing or higher; and must be in Communication program.

Supervised internship experience with communication professionals. Relation of academic training to professional experience.

01Z1	Lindsi Baltz **Meets May 31, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
I101	Julie Gowin **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 75)
I102	Julie Gowin **Meets May 31, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 75)

I202	Julie Gowin	Seats (Total: 75)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	
SG01	Lindsi Baltz	Seats (Total: 10)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	
SG02	Lindsi Baltz	Seats (Total: 10)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	

COMM388 **Communication Practicum**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail

Supervised professional-level practice in communication.

Contact department for information to register for this course.

COMM398O **Selected Topics in Communication; Digital Media and Democracy**

Credits: 3 Grading Method: Regular

Topical study of contemporary issues in communication.

WB21	Jon Hoffman	Seats (Total: 35)
	Meets July 11, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

COMM398W **Selected Topics in Communication; Web Design**

Credits: 3 Grading Method: Regular

Topical study of contemporary issues in communication.

02Z1	Robert Coleman	Seats (Total: 23)
	Meets July 11, 2016 - August 19, 2016	
	MW 1:00pm - 4:20pm	BLD3 3216
	This section meets at the Shady Grove campus.	

COMM399 **Honors Thesis**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

COMM400 **Research Methods in Communication**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: COMM250; and must have an introductory course in statistics. Restriction: Must be in Communication program.

Philosophy of scientific method; role of theory; research ethics; empirical research methods (measurement, sampling, design, analysis).

0101	Amanda Irions	Seats (Total: 35)
	Meets May 31, 2016 - July 8, 2016	
	TuTh 1:00pm - 4:20pm	TYD 1114

COMM401 **Interpreting Strategic Discourse**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: COMM250. Restriction: Must be in Communication program.

Principles and approaches for practical analysis of discourse designed to shape audience opinion.

0101	Meridith Styer	Seats (Total: 35)
	Meets May 31, 2016 - July 8, 2016	
	MW 9:00am - 12:25pm	CHM 1224

COMM425 **Negotiation and Conflict Management**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Role of communication in shaping negotiation and conflict processes and outcomes.

0101	Lauren Edelstein	Seats (Total: 45)
	Meets May 31, 2016 - July 8, 2016	
	TuTh 1:00pm - 4:20pm	KEY 0102

COMM470 **Listening**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

The principles of listening behavior.

0101	Andrew Wolvin	Seats (Total: 35)
	Meets May 31, 2016 - July 8, 2016	
	TuTh 9:00am - 12:20pm	SKN 0104

COMM482 **Intercultural Communication**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit , D

The major variables of communication in an intercultural context: cultural, racial and national differences; stereotypes; values; cultural assumptions; and verbal and nonverbal channels.

Contact department for information to register for this course.

COMM489 **Topical Research; Topical Research**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Individualized research projects conducted with a faculty sponsor.

Contact department for information to register for this course.

COMM498F **Seminar; Groupwork: How to Make Groups Work**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Present-day communication research.

In this course, students will learn how to work in groups and with a team, the importance of interprofessional cooperation, how to be an effective communicator within a team and team decision making processes and techniques. This is a blended course with an online component on Mondays. Class meets on Wednesdays 10am-1pm on the Shady Grove campus.

01Z1	Leah Waks	Seats (Total: 15)
	Meets May 31, 2016 - July 8, 2016	
	W 10:00am - 1:00pm	BLD3 2133

COMM498P **Seminar; Producing Digital Media from Funding to Finish**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Present-day communication research.

WB11	Adam Nixon	Seats (Total: 35)
	Meets May 31, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE

COMM798 **Independent Study**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

An individual course designed for intensive study or research of problems in communication.

Contact department for information to register for this course.

COMM798F **Independent Study; English Fluency**

Credits: 1-3 Grading Method: Regular, Audit

An individual course designed for intensive study or research of problems in communication.

0101	Shawn Parry-Giles, Mollie Kaufer	Seats (Total: 15)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	

COMM798G **Independent Study; Editing in English Writing**

Credits: 1-3 Grading Method: Regular, Audit

An individual course designed for intensive study or research of problems in communication.

0101	Shawn Parry-Giles, Mollie Kaufer	Seats (Total: 15)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	

COMM798I **Independent Study; Spanish as a B Language**

Credits: 1-3 Grading Method: Regular, Audit

An individual course designed for intensive study or research of problems in communication.

0201	Esperanza Pombo Lopez-Barron	Seats (Total: 4)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	

COMM799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

COMM898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

COMM899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

CONS Sustainable Development & Conservation Biology — Summer 2016

CONS609I **Special Topics in Conservation Biology**

Credits: 1 Grading Method: Regular, Sat-Fail

Lectures, experimental courses and other special instructions in variou subjects in conservation biology.

0101	Karen Lips	Seats (Total: 50)
	Meets May 31, 2016 - August 19, 2016	
	Contact instructor or department for details.	
I101	Karen Lips	Seats (Total: 50)
	Meets May 31, 2016 - August 19, 2016	
	Contact instructor or department for details.	

CONS798 **Research Papers in Sustainable Development and Conservation Biology**

Credits: 1-4 Grading Method: Regular, Sat-Fail

Work on the required scholarly paper.

Contact department for information to register for this course.

CPSP College Park Scholars Program Summer 2016

CPSP239J **Practicum: Internship**

Credits: 1-3 Grading Method: Regular

Supervised internship in interest area related to the theme of the students' College Park Scholars program.

I101	Kalyani Chadha **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 15)
I201	Kalyani Chadha **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 15)

CPSP239P **Practicum: Internship**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Supervised internship in interest area related to the theme of the students' College Park Scholars program.

I101	Jennifer Littlefield **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
I201	Jennifer Littlefield **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)

CPSP379K **Advanced Practicum: Study Abroad; London: Cultural Capital**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced, supervised study-abroad experience.

Contact department for information to register for this course.

DANC Dance Summer 2016

DANC398 **Directed Studies in Dance**

Credits: 2 | Grading Method: Regular, Pass-Fail, Audit

0201	Karen Bradley	Seats (Total: 1)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	

DANC705 **Arts Education**

Credits: 3 | Grading Method: Regular, Audit

History of arts education in the U.S., recent policy changes and trends current and recent research findings, proposed legislation at the state and federal level and the relationship of research designed to, in part, prepare students to be K-12 arts education and/or researchers and/or policy professionals.

WB21	Karen Bradley	Seats (Total: 6)
	Meets July 11, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

ECON Economics Summer 2016

ECON111 **Thinking Like an Economist**

Credits: 3 | Grading Method: Regular | General Education: DSHS, SCIS

Restriction: Sophomore standing or lower; or permission of BSOS-Economics department.

An introduction to the modes of thought of economics. Use of simple standard tools of economics to analyze important problems that arise frequently in public policy, the news media, and in daily life. An emphasis on how economists predict what choices societies make and how economists analyze whether those are good choices. Practical application of a variety of economic tools leading to a focus on the essential unity underlying these analytical tools, viewing economics as a discipline that applies a core methodology in different ways in different situations.

YS41	Brian Witzen	Seats (Total: 18)
	Meets July 11, 2016 - July 29, 2016	
	MTuWThF 9:30am - 12:30pm	KEY 0124
	This section is part of Terp Young Scholars. Enrollment by permission only.	

ECON200 **Principles of Micro-Economics**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS

Prerequisite: MATH107 or MATH110; or must have math eligibility of MATH111 or higher. Credit only granted for: ECON200, AREC240, or AREC250. Additional information: It is recommended that students complete ECON200 before taking ECON201.

Introduces economic models used to analyze economic behavior by individuals and firms and consequent market outcomes. Applies conceptual analysis to several policy issues and surveys a variety of specific topics within the broad scope of microeconomics.

WB11	Thomas Hegland **Meets May 31, 2016 - July 8, 2016** Class time/details on ELMs	Seats (Total: 60) ONLINE
WB21	Scott Ohlmacher **Meets July 11, 2016 - August 19, 2016** Class time/details on ELMs	Seats (Total: 60) ONLINE

ECON201 **Principles of Macro-Economics**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS

Prerequisite: MATH107 or MATH110; or must have math eligibility of MATH111 or higher. Recommended: ECON200. Credit only granted for: ECON201 or ECON205.

An introduction to how market economies behave at the aggregate level. The determination of national income/output and the problems of unemployment inflation, will be examined, along with monetary and fiscal policy.

WB11	Veronika Penciakova **Meets May 31, 2016 - July 8, 2016** Class time/details on ELMs	Seats (Total: 60) ONLINE
WB21	Xing Hong **Meets July 11, 2016 - August 19, 2016** Class time/details on ELMs	Seats (Total: 60) ONLINE

ECON230 **Applied Economic Statistics**

Credits: 3 | Grading Method: Regular

Prerequisite: Must have math eligibility of MATH111 or higher; or 1 course with a minimum grade of C- from (MATH107, MATH110). And minimum grade of C- in ECON200 and ECON201. Recommended: Students should already have basic familiarity with Microsoft Excel or similar spreadsheet software. Restriction: Must be in Economics Bachelor of Arts program. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON230, ECON321, EDMS451, GEOG306, GEOL351, GVPT422, PSYC200 or SOCY201.

Introductory course to develop understanding of statistical concepts used in applied economics. Students will acquire skills needed to calculate and interpret statistical concepts, including descriptive statistics, probability, discrete and continuous distributions, sampling, point and interval estimations, hypothesis testing, basic analysis of variance, and simple linear regression models. Students will apply these concepts to data using both handheld calculators and spreadsheets(Excel), and students will be introduced to an econometric software package such as SPSS or SAS or R.

WB11	Terry Pack **Meets May 31, 2016 - July 8, 2016** Class time/details on ELMs	Seats (Total: 60) ONLINE
WB21	Jiankun Chen **Meets July 11, 2016 - August 19, 2016** Class time/details on ELMs	Seats (Total: 60) ONLINE

ECON300 **Methods and Tools for Economic Analysis**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ECON201 and ECON200. And 1 course with a minimum grade of C- from (MATH140, MATH120, MATH130); or must have completed MATH220 with a minimum grade of C-. Restriction: Must be in Economics Bachelor of Arts program; and must not have completed MATH240 or MATH241.

Covers several mathematics techniques and demonstrates their application to a wide variety of models and problems in both microeconomic and macroeconomic analysis. Reviews concepts from algebra and elementary calculus and introduces components of multivariable calculus, linear algebra and differential equations.

0101	Ian Chadd **Meets May 31, 2016 - July 8, 2016** TuTh 9:00am - 12:25pm	Seats (Total: 40) TYD 0101

ECON305 **Intermediate Macroeconomic Theory and Policy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ECON201 and ECON200. And 1 course with a minimum grade of C- from (MATH120, MATH140, MATH130); or must have completed MATH220 with a minimum grade of C-. Credit only granted for: ECON305 or ECON325.

Analysis of the determination of national income, employment, and price levels. Discussion of consumption, investment, inflation, and government fiscal and monetary policy.

0101	Feng Zhang **Meets May 31, 2016 - July 8, 2016** MW 6:00pm - 9:25pm	Seats (Total: 41) TYD 2108
0201	Di Wang **Meets July 11, 2016 - August 19, 2016** TuTh 6:00pm - 9:10pm	Seats (Total: 40) ASY 3211

ECON306 **Intermediate Microeconomic Theory & Policy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (ECON200, AREC250); and minimum grade of C- in ECON201. And 1 course with a minimum grade of C- from (MATH120, MATH140, MATH130); or must have completed MATH220 with a minimum grade of C-. Credit only granted for: ECON306, ECON326, AREC489M, or AREC326.

Analysis of the theories of consumer behavior, producer behavior, different market structures, and various sources of inefficient outcomes. Analysis of microeconomic policies designed to improve market outcomes.

0101	Wei Li **Meets May 31, 2016 - July 8, 2016** TuTh 6:00pm - 9:25pm	Seats (Total: 40) TYD 2108
0201	Prateik Dalmia **Meets July 11, 2016 - August 19, 2016** MW 6:00pm - 9:10pm	Seats (Total: 40) TYD 0101

ECON311 **American Economic History Before the Civil War**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ECON200 and ECON201. Restriction: Must be in Economics Bachelor of Arts program.

Economic concepts are used to analyze various aspects of the founding and early history of the U.S., including the British settlement of the North American colonies, the economics of the American Revolutionary war, the writing of the Constitution, the development of financial markets, policies on public lands and the spread of western agriculture, slavery, banking, and early industrialization.

0101	Mateo Uribe-Castro	Seats (Total: 40)
	Meets May 31, 2016 - July 8, 2016	
	TuTh 1:00pm - 4:25pm	TYD 0101

ECON314 **Economic History, Development and Policy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ECON200 and ECON201.

Study abroad in the economic history, institutional development, and recent economic policy problems of selected areas.

Contact department for information to register for this course.

ECON315 **Economic Development of Underdeveloped Areas**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ECON200 and ECON201. Credit only granted for: ECON315 or ECON416.

Analysis of the economic and social characteristics of underdeveloped areas. Recent theories of economic development, obstacles to development, policies and planning for development.

0201	Fernando Saltiel	Seats (Total: 40)
	Meets July 11, 2016 - August 19, 2016	
	MW 1:00pm - 4:10pm	TYD 1132

ECON321 **Economic Statistics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ECON201 and ECON200; and minimum grade of C- in MATH141. Recommended: STAT100. Restriction: Must be in Economics Bachelor of Science program. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON230, ECON321, EDMS451, GEOG306, GEOL351, GVPT422, PSYC200 or SOCY201.

Introduction to the use of statistics in economics. Topics include: Probability, random variables and their distributions, sampling theory, estimation, hypothesis testing, analysis of variance, regression analysis and correlation.

0201	Yue Chao	Seats (Total: 40)
	Meets July 11, 2016 - August 19, 2016	
	TuTh 1:00pm - 4:10pm	TYD 2109

ECON325 **Intermediate Macroeconomic Analysis**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ECON200, ECON201, and MATH141. Restriction: Must be in Economics Bachelor of Science program. Credit only granted for: ECON305 or ECON325.

Analysis of macroeconomic behavior and policy with emphasis on theoretical rigor. Topics include the determinants of economic growth, unemployment, inflation, and international economic flows.

0101	Can Sever	Seats (Total: 40)
	Meets May 31, 2016 - July 8, 2016	
	TuTh 6:00pm - 9:25pm	TYD 0101
0201	Emekcan Yucel	Seats (Total: 40)
	Meets July 11, 2016 - August 19, 2016	
	TuTh 6:00pm - 9:10pm	TYD 2108

ECON326 **Intermediate Microeconomic Analysis**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ECON200, ECON201, and MATH141. Restriction: Must be in Economics Bachelor of Science program. Credit only granted for: ECON306, ECON326, AREC326, or AREC489M.

Analysis of economic decision-making by individual buyers and sellers, and resulting market outcomes, with emphasis on theoretical rigor. The efficient properties of perfect competition are examined, followed by consideration of market power, externalities, and asymmetric information.

0101	Ricardo Espinoza Gonzalez	Seats (Total: 40)
	Meets May 31, 2016 - July 8, 2016	
	MW 6:00pm - 9:25pm	TYD 1101

ECON330 **Money and Banking**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ECON200 and ECON201.

The structure of financial institutions and their role in the provision of money and near money. Analysis of the Federal Reserve System, the techniques of central banks, and the control of supply of financial assets in stabilization policy. Relationship of money and credit to economic activity and the price level.

0201	Yi Zhao	Seats (Total: 40)
	Meets July 11, 2016 - August 19, 2016	
	TuTh 6:00pm - 9:10pm	ASY 3203

ECON340 **International Economics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ECON200 and ECON201. Credit only granted for: ECON340 or ECON441.

Introduces economic models of international trade and finance. Analyzes policies designed to promote and restrict international trade and to manage exchange rates and impact international capital flows.

0101	Marcelo Teixeira	Seats (Total: 40)
	Meets May 31, 2016 - July 8, 2016	
	MW 6:00pm - 9:25pm	TYD 1132

ECON386 **Experiential Learning**

(Perm req)

Credits: 3 Grading Method: Sat-Fail

Prerequisite: ECON201 and ECON200. Restriction: Permission of BSOS-Economics department; and must be in a major within the BSOS-Economics department; and minimum cumulative GPA of 2.5; and junior standing or higher.

See Department Advising Office for course eligibility, course requirements, and application information.

Contact department for information to register for this course.

ECON399 **Individual Readings and Research For Undergraduates**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Integrated readings and independent study under direction and supervision of a faculty member. Contact department for additional information.

Prerequisite: six hours of upper division economics courses.

Contact department for information to register for this course.

ECON414 **Game Theory**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (ECON306, ECON326); and 1 course with a minimum grade of C- from (ECON230, BMGT230, ECON321). Restriction: Must be in Economics Bachelor of Arts program. Credit only granted for: CMSC474, ECON406, ECON414, GVPT399A or GVPT390.

Studies the competitive and cooperative behavior that results when several parties find that their individual outcomes are jointly determined. Students will learn how to use game theory to analyze situations of potential conflict. Applications are drawn from economics, business, and political science.

0101	Gustavo Saraiva	Seats (Total: 40)
	Meets May 31, 2016 - July 8, 2016	
	MW 6:00pm - 9:25pm	TYD 1102

ECON422 **Econometrics I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (ECON325, ECON326); and 1 course with a minimum grade of C- from (STAT400, ECON321). Restriction: Must be in Economics Bachelor of Science program. Credit only granted for: ECON422, ECON424, AREC422, or AREC489F.

Emphasizes the interaction between economic problems and the assumption employed in statistical theory. Formulation, estimation, and testing of economic models, including single variable and multiple variable regression techniques, theory of identification, and issues relating to inference.

0201	Youngjin Yun	Seats (Total: 40)
	Meets July 11, 2016 - August 19, 2016	
	MW 6:00pm - 9:10pm	TYD 2109

ECON424 **Computer Methods in Economics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (ECON305, ECON306, ECON325, ECON326); and 1 course with a minimum grade of C- from (ECON230, BMGT230, ECON321). Restriction: Must be in Economics Bachelor of Arts program. Credit only granted for: ECON422 or ECON424.

Provide the knowledge and skills necessary to accomplish and utilize basic applied econometric analysis utilized by many business service providers, government agencies, and nonprofits engaged in policy analysis. Topics include simple and multiple regressions using cross section, time series, and panel data, issues of heteroskedasticity, serial correlation, and multicollinearity, models with binary dependent variable, and program evaluation. Course emphasizes application of knowledge using software packages but still covers essential theoretical background.

0101	Ying Zeng **Meets May 31, 2016 - July 8, 2016** TuTh 1:00pm - 4:25pm	Seats (Total: 38) LEF 0229
0201	Yongjoon Park **Meets July 11, 2016 - August 19, 2016** TuTh 9:00am - 12:10pm	Seats (Total: 38) LEF 0229

ECON435 **Financial Markets and the Macroeconomy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (ECON305, ECON325); and 1 course with a minimum grade of C- from (ECON306, ECON326); and 1 course with a minimum grade of C- from (ECON230, BMGT230, ECON321). Restriction: Must be in Economics Bachelor of Arts program; and must not have completed BMGT343. Credit only granted for: BMGT343 or ECON435. Additional information: Finance majors will not receive credit for ECON435.

The different types of financial assets that exist, the markets that they trade in, and the determination of their prices and rates of return are examined. Specific topics that will be covered include the Markowitz portfolio selection model, the capital asset pricing model, the arbitrage pricing theory, the efficient markets hypothesis, the term structure of interest rates, and options. There will be almost no emphasis on issues in corporate finance.

0201	Jongho Park **Meets July 11, 2016 - August 19, 2016** MW 6:00pm - 9:10pm	Seats (Total: 40) TYD 1118

ECON443 **International Trade and Trade Policy in the New Global Economy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (ECON305, ECON325); and 1 course with a minimum grade of C- from (ECON306, ECON326); and 1 course with a minimum grade of C- from (ECON230, BMGT230, ECON321). Restriction: Must be in Economics Bachelor of Arts program; and must not have completed ECON441. Credit only granted for: ECON441 or ECON443.

Examines the economics of international economic integration, including the theory of customs unions and free trade areas, the role of GATT and the WTO, changes in individual countries' foreign trade policies during the new era of globalization, the special role of multinational firms in world trade, and recent controversies about the benefits and costs of globalized trade.

0101	Yang Xu	Seats (Total: 40)
	Meets May 31, 2016 - July 8, 2016	
	TuTh 6:00pm - 9:25pm	TYD 1102

ECON454 **Public Finance and Public Policy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (ECON306, ECON326); and 1 course with a minimum grade of C- from (ECON422, ECON424). Restriction: Must be in one of the following programs (Economics Bachelor of Arts; Economics Bachelor of Science).

The role of the the public sector in a market economy constitutes the over-arching topic of this course. Emphasis lies on analyzing government expenditure programs and the microeconomics of tax policy.

0101	Kenneth Coriale	Seats (Total: 40)
	Meets May 31, 2016 - July 8, 2016	
	TuTh 6:00pm - 9:25pm	TYD 2109

ECON460 **Industrial Organization**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ECON326; and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in Economics Bachelor of Science program.

Examines different theoretical models of firm behavior in markets with varying amounts of market power. Relates theory to specific industries and examines how market structure evolves over time.

0201	Hao Bo	Seats (Total: 40)
	Meets July 11, 2016 - August 19, 2016	
	TuTh 1:00pm - 4:10pm	TYD 1118

ECON642 **Topics in Applied Macroeconomics**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in M.Prof.Studies: Applied Economics program; or permission of BSOS-Economics department.

Focus is on applied macroeconomic models used by federal agencies to explain and predict economic behavior. Course emphasizes macroeconomic data: NIPA accounts, GDP, construction and application of CPI, labor force data and economic indicators. Students will also study a selected set of current macroeconomic topics including models of economic growth, economic fluctuations, monetary policy, inflation and financial markets.

PR01	Lauren Bresnahan	Seats (Total: 27)	
	Meets May 31, 2016 - August 19, 2016		
	Tu 6:45pm - 9:30pm Class time/details on ELMs	Location: TBA ONLINE	Discussion
	Restricted to students in Master of Professional Studies in Applied Economics program, This course meets at 1400 16th Street NW, Washington DC.		

ECON644 **Empirical Analysis II: Introduction to Economic Models**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ECON643.

An introduction to econometric methods with applications to public policy analysis. Primary focus on application and interpretation of multiple regression analysis.

PR01	Maksim Belenkiy	Seats (Total: 24)	
	Meets May 31, 2016 - August 19, 2016		
	W 6:45pm - 9:30pm Class time/details on ELMs	Location: TBA ONLINE	Discussion
	Restricted to students in Master of Professional Studies in Applied Economics program, This course meets at 1400 16th Street NW, Washington DC.		

ECON671 **Economics of Health Care**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ECON641; and must have completed or be concurrently enrolled in ECON645. Credit only granted for: ECON671 or ECON565. Formerly: ECON565.

An examination of the structure, conduct and performance of the health care market, including a study of physician services, the pharmaceutical industry, the hospital market and health insurance. Extensive use of quantitative and analytic economic tools with special emphasis on regulatory response to market imperfections.

PR01	Patrick Richard	Seats (Total: 23)	
	Meets May 31, 2016 - August 19, 2016		
	Th 6:45pm - 9:30pm Class time/details on ELMs	Location: TBA ONLINE	Discussion
	Restricted to students in the MPS in Applied Economics-WDC. This course meets at 1400 16th St, NW, Suite 140, Washington, DC.		

ECON672 **Program Analysis and Evaluation**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ECON641 and ECON645.

Students study the tools used to evaluate the effectiveness of public policies. All evaluations have weaknesses, and some have more weaknesses than others. You will learn how to distinguish high from low quality evaluations. We will discuss the basic economics and econometrics of program evaluation, focusing on the application of methods used for causal inference and cost-benefit analyses in public policy contexts. We will examine published evaluation research with the intent of showing how the research does or does not lead to clear conclusions regarding program performance.

PR01	Ryan Nunn	Seats (Total: 24)	
	Meets May 31, 2016 - August 19, 2016		
	W 6:45pm - 9:30pm Class time/details on ELMs	Location: TBA ONLINE	Discussion
	Class meets at 1400 16th Street NW, Washington DC. Restricted to students in Professional Economics Program.		

ECON684 **Applied Time Series Analysis and Forecasting**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ECON642; and ECON645. Restriction: Must be in M.Prof.Studies: Applied Economics program.

This course builds on the brief introduction to time series econometrics offered in ECON 645. Students will learn the theory of stationary processes and how it applies to econometric techniques for estimation and forecasting based on time series data. The techniques will be applied in macroeconomic, financial and business applications.

PR01	Brendan Epstein	Seats (Total: 27)	
	Meets May 31, 2016 - August 19, 2016		
	Tu 6:45pm - 9:30pm Class time/details on ELMs	Location: TBA ONLINE	Discussion
	Class meets at 1400 16th Street NW, Washington DC. Restricted to students in Professional Economics Program.		

ECON698 **Selected Topics in Economics**

Credits: 3 Grading Method: Regular, Audit

0142	John Shea	Seats (Total: 10)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	

ECON799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

ECON898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

ECON899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

EDCI Curriculum and Instruction Summer 2016

EDCI246 **Good Stories: Teaching Narratives for Peace and Justice**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HL General Education: DSHU, SCIS

Through the study and use of oral storytelling and digital technologies explore qualities and characteristics of what makes a good story and how stories can be used to advance peace and justice on both individual and social levels.

HY11	Joseph McCaleb	Seats (Total: 30)
	Meets May 31, 2016 - July 8, 2016	
	MTuW 9:30am - 11:45am	PHY 1219
	Class time/details on ELMs	ONLINE

EDCI405 **Art Education Methods I**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Restriction: Must be in Secondary Educ: Art program; or must be in Secondary Educ: Art pre-major program. And minimum cumulative GPA of 2.75; and permission of EDUC-Teaching, Learning, Policy and Leadership department. Credit only granted for: EDCI300 or EDCI405. Formerly: EDCI300.

Methods I provides future art teachers with a knowledge base of the theories and best practices of effective pedagogy for: teaching methods and strategies, diversity, motivational techniques, classroom management, assessment and evaluation methods, and accommodating all students including those with special needs.

Contact department for information to register for this course.

EDCI410 **Methods I: K-12 World Language Methods and Technology**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching, Learning, Policy and Leadership department. Credit only granted for: EDCI330 or EDCI410. Formerly: EDCI330.

The first of two sequential courses required for achieving competence i teaching a foreign language. The sequel to this course is EDCI433 (Methods II) entitled: Advanced K-12 Foreign Language Methods and Technology. EDCI410 requires on-going examination of theories relevant to language acquisition. Students will also investigate the instructional methods that reflect those theories. Lab and field experiences required.

Contact department for information to register for this course.

EDCI411 **Knowledge, Reasoning, and Learning in Science**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching, Learning, Policy and Leadership department. Credit only granted for: EDCI370 or EDCI411. Formerly: EDCI370.

For prospective science teachers. Investigations of the nature of knowledge, reasoning, and learning in middle and secondary science. Readings from cognitive science and science education research; studies of student thinking in interview and classroom observations; analyses of curricula. Includes laboratory and field experiences.

Department permission required. EDCI MCERT Outreach Offering.

Contact department for information to register for this course.

EDCI416 **Teaching and Learning in Secondary Education: English**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Credit only granted for: EDCI340 or EDCI416. Formerly: EDCI340.

An introduction for prospective middle and secondary English teachers into the basic issues, concepts, orientations, and processes that shape the teaching of English for diverse students in schools. Candidates explore their own perspectives in relation to local and national trends and develop basic teaching understanding and skills through on-campus seminars, teaching laboratory experiences, and guided field experiences. Students should reserve one full day or two half days per week for field experience.

Contact department for information to register for this course.

EDCI426 **Knowledge, Reasoning, and Learning in Secondary Social Studies**

Credits: 3 Grading Method: Regular

Restriction: Permission of EDUC-Teaching, Learning, Policy and Leadership department; and minimum cumulative GPA of 2.75.

An exploration of the nature of knowledge and reasoning in social studies disciplines as well as how students learn social studies. Assessment and investigation of students' conceptions and misconceptions as well as their disciplinary thinking. Implications for teaching and initial lesson design are explored through on-campus seminars as well as guided field experiences. Students should reserve a regular half-day per week for the field experience in local schools. This course is required for admission to the secondary social studies double major.

Department permission required. EDCI MCERT Outreach Offering.

Contact department for information to register for this course.

EDCI432 **Issues in the Education of English Language Learners**

Credits: 3 Grading Method: Regular

Credit only granted for: EDCI432 or EDCI488Q. Formerly: EDCI488Q.

Introduction to and analysis of current and historical research, practice, trends, and public policy issues in education as they relate to English language learners in K-12 and other settings.

WB11	Jeff MacSwan	Seats (Total: 15)
	Meets May 31, 2016 - June 27, 2016	
	Class time/details on ELMs	ONLINE

EDCI435 **Teaching English Language Learners Reading and Writing in the Secondary Content Areas**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Analysis of approaches to curriculum, current research, theory, and pedagogy of reading and writing to second language students from diverse cultural and linguistic backgrounds. State Approved. Required for TESOL certification program.

WB11	Daisy Fredricks	Seats (Total: 10)
	Meets June 6, 2016 - June 30, 2016	
	Class time/details on ELMs	ONLINE

EDCI436 **Understanding Cross-Cultural Communication for Teaching English Language Learners**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

General Education: DVCC

Credit only granted for: EDCI436 or EDCI488T. Formerly: EDCI488T.

Theories of intercultural communication and techniques for applying them in the teaching of English as a second language (ESL) and content classes. Research and evaluation of selected aspects of a culture as basis for creating, selecting and using culturally-responsive teaching materials and methods.

WB21	Kellie Rolstad	Seats (Total: 15)
	Meets July 11, 2016 - August 4, 2016	
	Class time/details on ELMs	ONLINE

EDCI443 **Literature for Children and Youth**

Credits: 3

Grading Method: Regular, Audit

Restriction: Must be in Elementary Education program; or must be a Pre-Education Major.

Analysis of literary materials for children and youth. Timeless and ageless books, and outstanding examples of contemporary publishing. Evaluation of the contributions of individual authors, illustrators and children's book awards.

Contact department for information to register for this course.

EDCI457 **Teaching and Learning Middle School Mathematics**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

General Education: DSSP

Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching, Learning, Policy and Leadership department.

Methods of teaching and assessing the middle school mathematics curriculum. Understanding the conceptual difficulties students have in moving from whole numbers to rational numbers, additive thinking to multiplicative thinking, and arithmetic to algebra. Lesson planning and selection of technology and other materials are applied in the context of supervised tutoring of students having difficulty in middle school mathematics. Lab and field experience required. Supervised tutoring takes place on site at a local middle school therefore EDCI 457 students will be expected to travel to a local middle school for 8-10 of the class meetings.

Contact department for information to register for this course.

EDCI488K **Selected Topics in Teacher Education; From Ethiopia to Israel: Immigration, Education, and Acculturation**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU, DVCC

Contact department for information to register for this course.

EDCI488O **Selected Topics in Teacher Education; Ethiopian Immigrants in Israel: Children, Families, and Education**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU, DVCC

Contact department for information to register for this course.

EDCI498 **Special Problems in Teacher Education**

Credits: 1-6 | Grading Method: Regular, Pass-Fail, Audit

Individual study of approved problems.

Contact department for information to register for this course.

EDCI614 **Developing a Professional Portfolio**

Credits: 3 | Grading Method: Regular

Students will examine issues of performance assessment and develop professional portfolios following the guidelines established by the National Board of Professional Teaching Standards. Drawing on the research data collected throughout their program and relying on inquiry, reflections, and analysis, they will synthesize and present the body of their teaching experience.

0101	Maria Hyler	Seats (Total: 25)
	Meets May 31, 2016 - July 8, 2016	
	TuTh 5:00pm - 8:10pm	EDU 1107

EDCI619 **Developing a Professional Portfolio**

Credits: 1 Grading Method: Regular, Audit

Students will examine issues of performance assessment and develop professional portfolios following the guidelines established by the National Board for Professional Teaching Standards. Drawing on the research data collected throughout their program and relying on inquiry, reflections, and analysis, they will synthesize and present the body of their teaching experience.

Contact department for information to register for this course.

EDCI626 **Processes and Acquisition of Reading**

Credits: 3 Grading Method: Regular, Audit

Restriction: For Master's Certification Students only; or permission of EDUC-Teaching, Learning, Policy and Leadership department. Credit only granted for: EDCI 626 or EDCI 765. Formerly: EDCI 765.

Addresses the ways in which social, cultural, cognitive and motivation factors influence the development of literacy. Focus is on reading acquisition and its underlying processes. Topics include language development in relation to reading development; the biological basis of this development; concepts in emergent literacy; models of reading acquisition and skilled reading; the effects of phonemic awareness and phonics on developing readers; factors in early childhood environments and in beginning literacy instruction that impact language and literacy achievement.

Contact department for information to register for this course.

EDCI630 **Foundations of Second Language Education: Legal, Social and Historical Trends and Issues**

Credits: 3 Grading Method: Regular, Audit

Knowledge of history, research, current practice and public policy issues in the field of second languague education from kindergarten to post-secondary settings. Required for TESOL certification program.

Contact department for information to register for this course.

EDCI633 **Teaching for Cross Cultural Communication**

Credits: 3 Grading Method: Regular

Theories of intercultural communication and techniques for applying them in the teaching of English as a second language (ESL) and content classes. Research and evaluation of selected aspects of a culture as basis for creating, selecting and using culturally-responsive teaching materials and methods.

Contact department for information to register for this course.

EDCI634 **Methods of Teaching ESOL**

Credits: 3 Grading Method: Regular

This course presents a survey of the historical and current approaches, methods, and techniques of teaching English to speakers of other languages, from grammar to translation to audiolingual and communicative approaches. Additionally, successful classroom practices that address the needs of culturally diverse and language minority students will be analyzed.

Contact department for information to register for this course.

EDCI635 **English Grammar for Teachers of English to Speakers of Other Languages**

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of EDUC-Teaching, Learning, Policy and Leadership department.

English grammar and methods of teaching grammar for graduate, prospective and current teachers of English to speakers of other languages. Analysis of the major grammatical structures of American English. Discussion of the role of teaching grammar, and effective classroom methods and techniques for the English as a second/foreign language classroom.

Contact department for information to register for this course.

EDCI638 **Teaching ESOL Reading and Writing in Secondary Content Areas**

Credits: 3 Grading Method: Regular, Audit

Analysis of approaches to curriculum, current research, theory and pedagogy of reading and writing to second language students from diverse cultural and linguistic backgrounds. Required for TESOL certification.

WB11	Daisy Fredricks	Seats (Total: 10)
	Meets June 6, 2016 - June 30, 2016	
	Class time/details on ELMs	ONLINE

EDCI643 **Teaching Language Arts in Elementary Schools**

Credits: 3 Grading Method: Regular, Audit

Analysis of current issues, trends, and problems in language-arts instruction.

Contact department for information to register for this course.

EDCI653 **Problem-Solving and Innovative Thinking in the Mathematics Classroom**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Experience teaching mathematics K-12. And EDCI352; or EDCI457; or students who have taken courses with comparable content may contact the department.

Curriculum and instruction for developing thinking skills through the discipline of mathematics. This is a hybrid course designed to blend on-campus class meetings with online experiences.

01Z1	Lisa Bote	Seats (Total: 1)
	Meets May 17, 2016 - June 28, 2016	
	Contact instructor or department for details.	

EDCI661 **Content Area Reading**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: EDCI362; or EDCI463; or students who have taken courses with comparable content may contact the department.

Research-based strategies for improving reading to learn in the content areas (K-12).

Contact department for information to register for this course.

EDCI662 **Diagnostic Reading Assessment and Instruction**

Credits: 3 Grading Method: Regular

Restriction: Permission of EDUC-Teaching, Learning, Policy and Leadership department.

Survey course in diagnostic reading assessment and instruction for graduate students not majoring in reading.

Contact department for information to register for this course.

EDCI685 **Research Methods**

Credits: 3 Grading Method: Regular, Audit

The interpretation and conduct of research in curriculum and instruction.

0101	Wayne Slater	Seats (Total: 20)
	Meets May 31, 2016 - July 8, 2016	
	TuTh 4:30pm - 7:45pm	EDU 2102

EDCI688B **Special Topics in Curriculum and Instruction; Learning In and Through the Arts: Connecting Arts Disciplines to the Common Core**

Credits: 2 Grading Method: Regular, Audit

Current topics and issues in teaching.

Contact department for information to register for this course.

EDCI688C **Special Topics in Curriculum and Instruction; Introduction to Enginnering for Teachers**

Credits: 3 Grading Method: Regular, Audit

Current topics and issues in teaching.

Contact department for information to register for this course.

EDCI688D **Special Topics in Curriculum and Instruction; Summer School in Dublin**

Credits: 1 Grading Method: Regular, Audit

Current topics and issues in teaching.

Contact department for information to register for this course.

EDCI688I **Special Topics in Curriculum and Instruction; Connecting Learning Through Arts Integration**

Credits: 3 Grading Method: Regular

Current topics and issues in teaching.

WB21	Margaret Walker	Seats (Total: 15)
	Meets July 22, 2016 - August 30, 2016	
	Class time/details on ELMs	ONLINE

EDCI688K **Special Topics in Curriculum and Instruction; Methods I: K-12 World Language Methods and Technology**

Credits: 3 Grading Method: Regular, Audit

Current topics and issues in teaching.

Contact department for information to register for this course.

EDCI688L **Special Topics in Curriculum and Instruction; International Perspectives on Drama in Education**

Credits: 3 Grading Method: Regular, Audit

Current topics and issues in teaching.

Contact department for information to register for this course.

EDCI689 **Teaching Internship**

(Perm req)

Credits: 1-9 Grading Method: Regular, Audit

Internship experiences in elementary or secondary teaching with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students admitted to graduate teacher education program option.

Contact department for information to register for this course.

EDCI690 **Teaching as a Profession**

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of EDUC-Teaching, Learning, Policy and Leadership department.

The profession of teaching and the knowledge base that defines teaching. Current and social issues that affect teaching and learning; role of research and experience in learning to teach.

Contact department for information to register for this course.

EDCI697 **Embracing Diversity in Classroom Communities**

Credits: 3 Grading Method: Regular

The course aims to help students understand race, class, gender, and sexuality as systems of privilege, exclusion, marginalization, and the centrality of embracing diversity in the classroom communities to promote the success of all students.

World Languages PBC Outreach Program. Registration restricted to program participants.

Contact department for information to register for this course.

EDCI761 **Advanced Clinical Practices in Reading Assessment**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: EDCI665. Corequisite: EDCI762.

Clinical practicum in assessment focusing on strengths and needs in reading. Case report writing and conferences.

Location: Off campus. Local school. Departmental permission required.

I101	Ayanna Baccus	Seats (Total: 20)
	Meets July 5, 2016 - August 2, 2016	
	MTuWTh 8:00am - 12:00pm	Location: TBA

EDCI762 **Advanced Clinical Practices in Reading Instruction**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: EDCI665. Corequisite: EDCI761.

Clinical practicum in instruction focusing on instructional techniques and diagnostic teaching.

Location: Off campus. Local school.Departmental permission required.

I101	Ayanna Baccus	Seats (Total: 20)
	Meets July 5, 2016 - August 2, 2016	
	MTuWTh 12:00pm - 4:00pm	Location: TBA

EDCI764 **Writing Across the Curriculum**

Credits: 3 Grading Method: Regular

Emphasis on providing secondary education majors with an interdisciplinary foundation in current theory, research, and best practice focused on the teaching of writing across the curriculum, e.g.,art, English, foreign languages and TESOL, language arts, mathematics, music, sciences, and social studies. Exceptional student, inclusion, and diversity issues w ill be discussed.

UMWP Writing Project Outreach Program. Registration restricted to program participants.

Contact department for information to register for this course.

EDCI784 **Teaching, Professional Development and School Change**

Credits: 3 Grading Method: Regular, Audit

Examines currrent scholarship on professional development for K-12 teachers, characteristics of good professional development, and its relationship to teaching, learning, and school improvement.

Contact department for information to register for this course.

EDCI788 **Selected Topics in Teacher Education**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Current topics and issues in teacher education.

Contact department for information to register for this course.

EDCI788K **Selected Topics in Teacher Education; From Ethiopia to Israel: Immigration, Education, and Acculturation**

Credits: 3 Grading Method: Regular, Audit

Current topics and issues in teacher education.

Contact department for information to register for this course.

EDCI788N **Selected Topics in Teacher Education; Ethiopian Immigrants in Israel: Children, Families, and Education**

Credits: 3 Grading Method: Regular, Audit

Current topics and issues in teacher education.

Contact department for information to register for this course.

EDCI798 **Special Problems in Teacher Education**

Credits: 1-3 Grading Method: Regular, Audit

Intended for Masters, AGS, or doctoral students in education who desire to pursue a research problem.

Contact department for information to register for this course.

EDCI799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

EDCI888 **Apprenticeship in Education**

Credits: 1-8 Grading Method: Regular, Audit

Apprentice practice under professional supervision. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate-seeking graduate students.

Contact department for information to register for this course.

EDCI889 **Internship in Education**

Credits: 3-8 Grading Method: Regular, Audit

Internship experiences with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students advanced to candidacy for doctoral degree.

Contact department for information to register for this course.

EDCI898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

EDCI899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

EDCP Education Counseling and Personnel Services — Summer 2016

EDCP108B **College and Career Advancement: Concepts and Skills; Academic Skills**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Knowledge and skills designed to enhance college as a learning experience or preparation for life.

Recommended for freshman, sophomores, or juniors who are having academicdifficulties, including but not limited to those on probation or facing dismissal. Seniors by permission of instructor.

WB11	Shirley Browner	Seats (Total: 20)
	Meets May 31, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE
	This is an online course recommended for freshmen, sophomores, or juniors who are having academic difficulties including but not limited to those facing academic probation or dismissal. There will be one individual meeting with the instructor to be arranged face-to-face or via computer. Course registration is closed to seniors. Seniors may request enrollment with permission from the instructor and only if seats are available. For more information, please contact the course instructor by email.	

EDCP108E **College and Career Advancement: Concepts and Skills**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Knowledge and skills designed to enhance college as a learning experience or preparation for life.

Restricted to Academic Achievement Program Students.

CP02	Tilahun Beyene	Seats (Total: 130)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	

EDCP220 **Introduction to Human Diversity in Social Institutions**

Credits: 3 | Grading Method: Regular, Audit | CORE: SB, D | General Education: DVUP

This highly-interactive format focuses on individual and social identities in the U.S., group differences and intergroup relations, systems of privilege and oppression, and advocacy for social justice. Topics will include diversity related to race, ethnicity, gender, sexual orientation, social class, (dis)ability, and religion. Course fulfills CORE requirements in diversity, social/behavioral bases, and interdisciplinary study. Some sections restricted.

0101	Jeffrey Yeung	Seats (Total: 30)
	Meets May 31, 2016 - July 8, 2016	
	MTuWTh 9:00am - 10:45am	TWS 1107

EDCP298Z **Special Problems in Counseling and Personnel Services; British Life and Society in a Cross-Cultural Context**

Credits: 3 | Grading Method: Regular, Pass-Fail

Individual instruction in special problems related to counseling, student leadership, and college student development.

Contact department for information to register for this course.

EDCP386 **Experiential Learning**

(Perm req)

Credits: 3-6 | Grading Method: Regular, Pass-Fail

Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department; and sophomore standing or higher.

Contact department for information to register for this course.

EDCP418 **Special Topics in Leadership; Leadership Skills**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

The special topics and leadership course will address a single topic related to leadership through the semester. In-depth study and analysis on the topic will be the basis for the course. Topics include gender and leadership, ethics and leadership, and culture and leadership. Leadership will serve as the foundation in the course.

Contact department for information to register for this course.

EDCP498 **Special Problems in Counseling and Personnel Services**

Credits: 1-3 | Grading Method: Regular

Available only to major students who have formal plans for individual study of approved problems.

Contact department for information to register for this course.

EDCP611 **Career Development Theory and Programs**

Credits: 3 Grading Method: Regular, Audit

Research and theory related to career and educational decisions; programs of related information and other activities in career decision.

0401	Natasha Mitchell	Seats (Total: 20)
	Meets July 11, 2016 - July 29, 2016	
	TuWTh 2:00pm - 6:10pm	EDU 1315

EDCP617 **Group Counseling**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: EDCP616.

A survey of theory, research and practice of group counseling and psychotherapy, with an introduction to growth groups and the laboratory approach, therapeutic factors in groups, composition of therapeutic groups, problem clients, therapeutic techniques, research methods, theories, ethics and training of group counselors and therapists.

0401	Kristi Maslak	Seats (Total: 10)
	Meets July 11, 2016 - July 29, 2016	
	MWF 9:00am - 2:00pm	ASY 3217

EDCP635 **School Consultation I**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in the School Counseling program; or must be in the School Psychology program; or permission of instructor.

Theory and practice of consultation services in the school setting. Understanding of school culture. Introduction to problem solving model of case consultation for assessment and remediation of learning and behavior problems in the classroom. Practicum experience.

0101	Julia Bryan	Seats (Total: 20)
	Meets May 31, 2016 - June 8, 2016	
	MTuWThF 8:00am - 5:00pm	ASY 3219

EDCP668A **Special Topics in Rehabilitation; Job Development and Placement**

Credits: 3 Grading Method: Regular, Audit

Contact department for information to register for this course.

EDCP773 **Designing Qualitative Research in Counseling and Student Affairs Contexts**

Credits: 3 Grading Method: Regular, Audit

Introduction to philosophical and epistemological foundations, methodologies and methods associated with qualitative research designs appropriate in student affairs and counseling contexts.

0501	Michelle Espino	Seats (Total: 15)
	Meets June 20, 2016 - June 30, 2016	
	MTuWThF 3:00pm - 8:00pm	EDU 1121

EDCP789 **Advanced Topics in Counseling and Personnel Services**

Credits: 1-6 Grading Method: Regular, Audit

0124	Hedwig Teglasi	Seats (Total: 5)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	
0224	Hedwig Teglasi	Seats (Total: 4)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	
I102	Matthew Miller	Seats (Total: 5)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	

EDCP789F **Advanced Topics in Counseling and Personnel Services; History of Psychological Science**

Credits: 3 Grading Method: Regular, Audit

0101	Matthew Miller	Seats (Total: 20)
	Meets May 31, 2016 - July 8, 2016	
	MW 9:00am - 12:30pm	EDU 2102

EDCP789R **Advanced Topics in Counseling and Personnel Services; College Teaching Seminar**

Credits: 1-3 Grading Method: Regular

0101	Matthew Miller	Seats (Total: 15)
	Meets May 31, 2016 - July 8, 2016	
	Tu 1:00pm - 3:00pm	EDU 3233

EDCP798 **Special Problems in Counseling and Personnel Services**

(Perm req)

Credits: 1-6 Grading Method: Regular, Audit

Master's AGS, or doctoral candidates who desire to pursue special research problems under the direction of their advisers may register for credit under this number.

Contact department for information to register for this course.

EDCP799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Registration required to the extent of six hours for Master's thesis.

Contact department for information to register for this course.

EDCP888 **Apprenticeship in Counseling and Personnel Services**

Credits: 1-8 Grading Method: Regular, Audit

Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate-seeking graduate students.

Contact department for information to register for this course.

EDCP888A **Apprenticeship in Counseling and Personnel Services; College Student Personnel**

Credits: 3 Grading Method: Regular, Audit

Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate-seeking graduate students.

Restricted to CSP students.

0101	John Zacker, Marsha Guenzler-Stevens **Meets May 31, 2016 - August 14, 2016** W 12:00pm - 3:00pm Contact instructor or department for details.	Seats (Total: 12) Location: TBA
0401	John Zacker, Marsha Guenzler-Stevens **Meets July 11, 2016 - July 29, 2016** Contact instructor or department for details.	Seats (Total: 15)

EDCP889 **Internship in Counseling and Personnel Services**

Credits: 1-8 Grading Method: Regular, Audit

Internship experiences at a professional level of competence in a particular role with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students advanced to candidacy for doctoral degree.

Contact department for information to register for this course.

EDCP898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

EDCP899 **Doctoral Dissertation Research**

(Perm req)

Credits: 1-6 Grading Method: Regular

Registration required to the extent of 12-18 hours for a Ph.D. Dissertation.

Contact department for information to register for this course.

EDHD Education, Human Development Summer 2016

EDHD320 **Human Development Through the Life Span**

Credits: 3 Grading Method: Regular, Audit General Education: DSHS

Central concepts related to parameters of human development, individual and social, which arise throughout the life span. Continuity and change within the developing individual.

0301	Robert Marcus **Meets May 31, 2016 - June 17, 2016** MTuWTh 12:00pm - 3:25pm	Seats (Total: 30) EDU 3315
WB41	Courtney Hattan **Meets July 11, 2016 - July 29, 2016** MTuWTh 1:30pm - 4:50pm	Seats (Total: 25) ONLINE

EDHD413 **Adolescent Development**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHS

Adolescent development, including special problems encountered in contemporary culture. Observational component and individual case study.

0201	Jennie Lee-Kim **Meets July 11, 2016 - August 19, 2016** TuTh 11:00am - 2:15pm	Seats (Total: 25) EDU 2119

EDHD460 **Educational Psychology**

Credits: 3 Grading Method: Regular General Education: DSHS

Prerequisite: PSYC100; or permission of EDUC-Human Development and Quantitative Methodology department.

Application of psychology to learning processes and theories. Individual differences, measurement, motivation, emotions, intelligence, attitudes, problem solving, thinking and communicating in educational settings.

0101	Lauren Musu-Gillette **Meets May 31, 2016 - July 8, 2016** TuTh 4:30pm - 7:45pm	Seats (Total: 25) TWS 1313

EDHD489 **Field Experiences in Education**

(Perm req)

Credits: 1-4 Grading Method: Regular

Planned field experience in education-related activities. Credit not to be granted for experiences accrued prior to registration.

Contact department for information to register for this course.

EDHD498 **Special Problems in Education**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Available only to students who have definite plans for individual study of approved problems.

Contact department for information to register for this course.

EDHD602 **Social Bases of Behavior**

Credits: 3 Grading Method: Regular

The social forces and expectations that influence behavior from infancy through old age and death. The effects of ethnicity, social learning values, attitudes, historical events and mass media on perception and behavior in societal interactions.

Contact department for information to register for this course.

EDHD798 **Laboratory in Human Development**

Credits: 1-6 Grading Method: Regular, Audit

Independent research supervised by an instructor in a research setting.

Contact department for information to register for this course.

EDHD799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Registration required to the extent of six hours for master's thesis.

Contact department for information to register for this course.

EDHD888 **Apprenticeship in Human Development Research**

Credits: 1-8 Grading Method: Regular, Audit

Apprenticeship in Human Development research.

Contact department for information to register for this course.

EDHD889 **Practicum in Human Development**

Credits: 3-8 Grading Method: Regular, Audit

Field experience in applied human development at a professional level o competence in a particular role with appropriate supervision.

Contact department for information to register for this course.

EDHD898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

EDHD899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Registration required to 12-18 hours for a Ph.D. dissertation.

Contact department for information to register for this course.

EDHI Education Leadership, Higher Ed and International Ed — Summer 2016

EDHI338P **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Germany: Propaganda and Graphic Design**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit General Education: DVCC

Engages students, from one or more cultural identity groups, in facilitated dialogue about the similarities and differences of experience that exist within a group and/or between and across groups. The goal of intergroup dialogue is for students to develop comfort with, and skill for, discourse on difficult topics toward the end of fostering positive, meaningful, and sustained cross-group relationships. Whereas in debate, students learn to listen to gain advantage, in intergroup dialogue, students learn to listen to gain understanding. In so doing, students develop increased multicultural interaction facility, heightened intergroup awareness and sensitivity, and greater commitment to civic engagement.

Contact department for information to register for this course.

EDHI488A **Special Topics in Education Policy and Administration; Education for Global Peace**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special and intensive treatment of current topics and issues in education policy and administration.

WB21	Sachi Edwards	Seats (Total: 20)
	Meets July 11, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

EDHI488G **Special Topics in Education Policy and Administration; Promise and Challeges in Girls' Education**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special and intensive treatment of current topics and issues in education policy and administration.

Contact department for information to register for this course.

EDHI488N **Special Topics in Education Policy and Administration; Innovation, Inclusion, and Disability Justice**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special and intensive treatment of current topics and issues in education policy and administration.

Contact department for information to register for this course.

EDHI488T **Special Topics in Education Policy and Administration; Thailand: Leading for LGBTQ and Empowerment**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special and intensive treatment of current topics and issues in education policy and administration.

SATH	Nic Sakurai	Seats (Total: 0)
	Meets June 3, 2016 - June 26, 2016	
	Contact instructor or department for details.	

EDHI488V **Special Topics in Education Policy and Administration; Contemplative Education**

Credits: 3 Grading Method: Regular, Audit

Special and intensive treatment of current topics and issues in education policy and administration.

0101	Jing Lin	Seats (Total: 15)
	Meets June 6, 2016 - June 16, 2016	
	MWTh 4:00pm - 9:00pm	EDU 1315
	Contact instructor or department for details.	

EDHI489 **Field Experiences in Education**

Credits: 1-4 Grading Method: Regular, Pass-Fail, Audit

Planned field experience in education-related activities. Credit not to be granted for experiences accrued prior to registration.

Contact department for information to register for this course.

EDHI671 **Education Law and Policy**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: EDHI671, EDPL671, or EDPS671. Formerly: EDPL671.

An examination of the way judicial interpretation of common, statutory, and constitutional law shapes and constrains educational policy making. Special emphasis on topics framed under the headings of liberalism and legalism.

Contact department for information to register for this course.

EDHI672 **Modes of Inquiry in Education Research**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: EDHI672, EDPL672, or EDPS672. Formerly: EDPL672.

Introduction to modes of inquiry appropriate to research on issues and problems in education. Examination of qualitative, quantitative and mixed research methods and designs with a focus on related standards of quality.

This course contains a Blackboard/ELMS component.

0401	Steven Klees	Seats (Total: 20)
	Meets July 11, 2016 - July 28, 2016	
	MWTh 3:00pm - 7:15pm	EDU 3315

EDHI679 **Master's Seminar**

Credits: 3 Grading Method: Regular, Audit

Directed study for master's degree students writing seminar papers.

Contact department for information to register for this course.

EDHI681 **Education for Global Peace**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: EDHI681, EDPL681, or EDPS681. Formerly: EDPL681.

This course will examine how education can address the threats of violence and wars. It prepares students to teach about peace, nonviolence, and conflict resolution, and also to analyze and implement changes in school and society to contribute to peace and non-violence.

WB21	Sachi Edwards	Seats (Total: 20)
	Meets July 11, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

EDHI689 **Practicum In Educational Administration and Supervision**

(Perm req)

Credits: 1-3 Grading Method: Sat-Fail

Promotes skill development in managerial, leadership and supervisory areas. Practicum is based on results of diagnostic instruments and an individual professional development plan.

0124	Helene Cohen	Seats (Total: 10)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	
0224	Helene Cohen	Seats (Total: 10)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	
0235	Alberto Cabrera	Seats (Total: 10)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	

EDHI689Z **Practicum In Educational Administration and Supervision**

Credits: 1 Grading Method: Sat-Fail

Promotes skill development in managerial, leadership and supervisory areas. Practicum is based on results of diagnostic instruments and an individual professional development plan.

Contact department for information to register for this course.

EDHI747 **Advanced Seminar on Instructional Improvement**

Credits: 4 Grading Method: Regular, Audit

Prerequisite: EDHI647. Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department. Credit only granted for: EDHI747, EDPL747, or EDPS747. Formerly: EDPL747.

Current issues, trends, and problems in the areas of instructional improvement and the supervisory responsibilities of school-based administrators.

Contact department for information to register for this course.

EDHI788 **Special Topics in Education Policy and Administration**

Credits: 1-3 Grading Method: Regular, Audit

Special and intensive treatment of current topics and issues in education policy and administration.

Contact department for information to register for this course.

EDHI788A **Special Topics in Education Policy and Administration; Goverenance in Higher Education**

Credits: 3 Grading Method: Regular, Audit

Special and intensive treatment of current topics and issues in education policy and administration.

0201	Andrew Lounder	Seats (Total: 20)
	Meets July 14, 2016 - August 25, 2016	
	TuTh 6:00pm - 9:15pm	EDU 2101
	This course will examine governance as the practice of organizational decision making in postsecondary education. It will prepare students to employ theories of decision making to better understand key challenges in college and university contexts.	

EDHI788C **Special Topics in Education Policy and Administration; Institutional Research and Planning**

Credits: 3 Grading Method: Regular, Audit

Special and intensive treatment of current topics and issues in education policy and administration.

This course introduces students to the practice of Institutional Research (IR) and Planning at colleges and universities and will address such topics as: role and functions in the management of colleges and universities; enrollment planning and management activities; student life, learning and outcomes assessments; and use of institutional-level data to conduct research.

0101	Marvin Titus	Seats (Total: 10)
	Meets May 31, 2016 - July 8, 2016	
	MW 4:00pm - 7:00pm	EDU 3236

EDHI788G **Special Topics in Education Policy and Administration; Promises and Challenges in Girls' Education**

Credits: 3 Grading Method: Regular, Audit

Special and intensive treatment of current topics and issues in education policy and administration.

Contact department for information to register for this course.

EDHI788N **Special Topics in Education Policy and Administration; Innovation, Inclusion, and Disability Justice**

Credits: 3 Grading Method: Regular, Audit

Special and intensive treatment of current topics and issues in education policy and administration.

Contact department for information to register for this course.

EDHI788V **Special Topics in Education Policy and Administration; Contemplative Education**

Credits: 3 Grading Method: Regular, Audit

Special and intensive treatment of current topics and issues in education policy and administration.

0101	Jing Lin	Seats (Total: 15)
	Meets June 6, 2016 - June 16, 2016	
	MWTh 4:00pm - 9:00pm	EDU 1315
	Contact instructor or department for details.	

EDHI788W **Special Topics in Education Policy and Administration; Teacher Education and Teaches' Work: An International Perspective**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Special and intensive treatment of current topics and issues in education policy and administration.

WB21	Mark Ginsburg	Seats (Total: 6)
	Meets July 11, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

EDHI789 **Doctoral Practicum in Administration and Supervision**

Credits: 1-3 Grading Method: Sat-Fail

Experiential activities designed to enhance student skills. Based on Individual Professional Development Plan for each student.

0101	Sharon Fries-Britt **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0201	Sharon Fries-Britt **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
I207	Steven Klees **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 2)

EDHI798 **Special Problems in Education**

Credits: 1-6 Grading Method: Regular, Audit

Master's, AGS, or doctoral candidates who desire to pursue special research problems under the direction of their advisors may register for credit under this number.

Contact department for information to register for this course.

EDHI888 **Apprenticeship in Education**

Credits: 1-8 Grading Method: Regular, Audit

Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate-seeking graduate students.

Contact department for information to register for this course.

EDHI889 **Internship in Education**

Credits: 3-8 Grading Method: Regular, Audit

Internship experiences at a professional level of competence in a particular role with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students advanced to candidacy for doctoral degree.

Contact department for information to register for this course.

EDHI898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

EDHI899 **Doctoral Dissertation Research**

(Perm req)

Credits: 1-6

Grading Method: Regular, Sat-Fail

Registration required to the extent of 6-9 hours for an Ed.D. Project and 12-18 hours for a Ph.D. Dissertation.

Contact department for information to register for this course.

EDMS Measurement, Statistics, and Evaluation Summer 2016

EDMS451 **Introduction to Educational Statistics**

Credits: 3

Grading Method: Regular, Audit

General Education: FSAR

Restriction: Sophomore standing or higher. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON230, ECON321, EDMS451, GEOG306, GEOL351, GVPT422, PSYC200 or SOCY201.

Introduction to statistical reasoning; location and dispersion measures; computer applications; regression and correlation; formation of hypotheses tests; t-test; one-way analysis of variance; analysis of contingency tables.

0101	Monica Morell **Meets May 31, 2016 - July 8, 2016** MTuWTh 10:00am - 11:40am	Seats (Total: 30) EDU 3233
0201	Casey Archer **Meets July 11, 2016 - August 19, 2016** TuTh 1:00pm - 4:20pm	Seats (Total: 30) EDU 3233

EDMS645 **Quantitative Research Methods I**

Credits: 3

Grading Method: Regular, Audit

Research design and statistical applications in educational research: data representation; descriptive statistics; estimation and hypothesis testing. Application of statistical computer packages is emphasized.

Contact department for information to register for this course.

EDMS798 **Special Problems in Education**

Credits: 1-6

Grading Method: Regular, Audit

Master's, EDMS majors, or doctoral candidates who desire to pursue special research problems under the direction of their advisors may register for credit under this number.

Contact department for information to register for this course.

EDMS799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Registration required to the extent of 6 credits.

Contact department for information to register for this course.

EDMS889 **Internship in Measurement and Statistics**

(Perm req)

Credits: 3-12 Grading Method: Regular

Provides internship experiences at a professional level of competence in a particular role with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students advanced to candidacy for doctoral degree.

Contact department for information to register for this course.

EDMS898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

EDMS899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Registration required to the extent of 12 credits.

Contact department for information to register for this course.

EDPS Education Policy Studies Summer 2016

EDPS301 **Foundations of Education**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHS

Credit only granted for: EDPL301 or EDPS301. Formerly: EDPL301.

Social context of education and conflicts over philosophies, values, an goals that are reflected in educational institutions in our pluralistic society. Helps teachers become reflective, critical thinkers about the social and philosophical issues they face and the choices they make.

0101	Steven Stakland **Meets May 31, 2016 - July 8, 2016** MW 3:40pm - 7:05pm	Seats (Total: 20) EDU 2119

EDPS489 **Field Experiences in Education**

(Perm req)

Credits: 1-4 Grading Method: Regular, Pass-Fail, Audit

Planned field experience in education-related activities. Credit not to be granted for experiences accrued prior to registration.

0123	Steven Selden **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0216	Francine Hultgren **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)

EDPS679 **Master's Seminar**

Credits: 3 Grading Method: Regular, Audit

Directed study for master's degree students writing seminar papers.

0116	Francine Hultgren **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0117	Robert Croninger **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0217	Robert Croninger **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0224	Thomas Davis **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)

0226	Jennifer Rice	Seats (Total: 5)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	

EDPS788C **Special Topics in Education Policy and Administration; Culture, Identity and Experience in Education**

Credits: 3 Grading Method: Regular, Audit

Special and intensive treatment of current topics and issues in education policy and administration.

HY11	Beth Cohen	Seats (Total: 15)
	Meets June 6, 2016 - June 22, 2016	
	MW 4:30pm - 7:00pm Class time/details on ELMs	EDU 3233 ONLINE

EDPS788Q **Special Topics in Education Policy and Administration; Critical Qualitative Research Colloquium**

Credits: 3 Grading Method: Regular, Audit

Special and intensive treatment of current topics and issues in education policy and administration.

HY11	Beth Cohen	Seats (Total: 15)
	Meets June 21, 2016 - July 7, 2016	
	TuTh 4:30pm - 7:30pm Class time/details on ELMs	EDU 3233 ONLINE

EDPS798 **Special Problems in Education**

Credits: 1-6 Grading Method: Regular, Audit

Master's, AGS, or doctoral candidates who desire to pursue special research problems under the direction of their advisors may register for credit under this number.

Contact department for information to register for this course.

EDPS888 **Apprenticeship in Education**

Credits: 1-8 Grading Method: Regular, Audit

Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate-seeking graduate students.

Contact department for information to register for this course.

EDPS889 **Internship in Education**

Credits: 3-8 Grading Method: Regular, Audit

Internship experiences at a professional level of competence in a particular role with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students advanced to candidacy for doctoral degree.

Contact department for information to register for this course.

EDPS898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

EDPS899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Registration required to the extent of 6-9 hours for an Ed.D. Project and 12-18 hours for a Ph.D. Dissertation.

Contact department for information to register for this course.

EDSP Education, Special Summer 2016

EDSP210 **Introduction to Special Education**

Credits: 3 Grading Method: Regular, Audit General Education: DVUP

Restriction: Sophomore standing or lower. Credit only granted for: EDSP210 or EDSP470.

Characteristics and needs of individuals receiving special education an related services. Current issues and practices in special education.

0401	Leslie Page-Voth	Seats (Total: 20)
	Meets July 11, 2016 - July 29, 2016	
	TuTh 9:00am - 4:50pm	TWS 0236

WB11	Sarah Mallory	Seats (Total: 20)
	Meets May 31, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE

EDSP220 **Disability in Community: Access, Accommodation, and Adaptation**

Credits: 3 Grading Method: Regular General Education: DSSP, DVCC

Examines the concept of disability in a variety of community settings. Drawing on classic and contemporary readings in psychology, sociology and special education, the course will couple conceptual and historical understanding of disability with first-hand service-learning experiences in the community. Students will develop a plan in several phases that encompasses principles of Universal Design for Living/Learning (UDL) to study and participate in community-based activities.

EDSP 220 is a fully online course with offline readings, online assignments and quizzes, asynchronus discussions and wiki presentations. In addition to online coursework, the course requires a service-learning (10-40 hours during course time, site negotiated with professor, can include Alternative Breaks- Indianapolis experience).

WB11	Carolyn Fink	Seats (Total: 20)
	Meets May 31, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE

EDSP289I **Disability: From Stigma and Sideshow to Mainstream and Main Street**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: SB, D General Education: DSHS, DVUP, SCIS

HY11	Peter Leone	Seats (Total: 25)	
	Meets May 31, 2016 - July 1, 2016		
	TuTh 4:30pm - 7:30pm Class time/details on ELMs	EDU 3236 ONLINE	Discussion
	This is a hybrid course, it meets face-to-face TuTh along with 15 hours of online/distance assignments.		

EDSP376 **Fundamentals of Sign Language**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DVCC

Receptive and expressive skills in American Sign Language. Examination of the causes of deafness, characteristics of deaf education, and aspects of the culture of the deaf community.

0101	Michael Dunham	Seats (Total: 27)
	Meets May 31, 2016 - July 8, 2016	
	MW 4:00pm - 7:15pm Contact instructor or department for details.	EDU 3315

EDSP470 **Introduction to Special Education**

Credits: 3 Grading Method: Regular, Audit General Education: DVUP

Restriction: Must not have completed EDSP210. Credit only granted for: EDSP210 or EDSP470.

Designed to give an understanding of the needs of all types of exceptional children.

Open to all students except undergraduate special education majors.

0401	Leslie Page-Voth	Seats (Total: 20)
	Meets July 11, 2016 - July 29, 2016	
	TuTh 9:00am - 4:50pm	TWS 0236
WB11	Sarah Mallory	Seats (Total: 20)
	Meets May 31, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE

EDSP476 **Communicating with Sign Language**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: EDSP376. Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department.

Intermediate level receptive/expressive skills in American Sign Language. Aspects of the culture, history, and research perspectives of the deaf community.

0401	Michael Dunham	Seats (Total: 27)
	Meets July 11, 2016 - July 29, 2016	
	MTuWThF 4:00pm - 7:15pm Contact instructor or department for details.	EDU 1107

EDSP498 **Special Problems in Special Education**

Credits: 1-6 Grading Method: Regular

Available only to education majors who have definite plans for individual study of approved problems. Credit according to extent of work.

Contact department for information to register for this course.

EDSP606 **Advanced Study in Inclusive Practices in The Schools**

Credits: 3 Grading Method: Regular, Audit

Also offered as: EDSP450. Credit only granted for: EDSP450, EDSP606, or EDSP788P. Formerly: EDSP788P.

Educational practices regarding inclusive education in the schools for students with and without disabilities.

Contact department for information to register for this course.

EDSP670 **Single Subject Research Designs**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: EDSP600. Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department.

Design, application, and analysis of single subject research in special education classrooms across all disabilities.

Contact department for information to register for this course.

EDSP678A **Seminar in Special Education; Social-Communication Challenges and Strategies for Individuals with ASDs**

Credits: 3 Grading Method: Regular, Audit

Contact department for information to register for this course.

EDSP682 **Advanced Literacy Approaches for At-Risk Adolescents**

Credits: 3 Grading Method: Regular, Audit

Also offered as: EDSP482. Credit only granted for: EDSP482, EDSP488R, EDSP682, or EDSP788R. Formerly: EDSP788R.

Approaches to teaching reading in the content areas for secondary students with disabilities.

Contact department for information to register for this course.

EDSP798 **Special Problems in Special Education**

(Perm req) Credits: 1-6 Grading Method: Regular

Intended for Master's, AGS, or doctoral students in education who desire to pursue a research problem.

Contact department for information to register for this course.

EDSP799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Registration required to the extent of six hours for Master's thesis.

Contact department for information to register for this course.

EDSP888 **Apprenticeship in Special Education**

Credits: 1-8 Grading Method: Regular

Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate- seeking graduate students.

Contact department for information to register for this course.

EDSP888A **Apprenticeship in Special Education; Apprenticeship in College Teaching**

Credits: 3 Grading Method: Regular, Audit

Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate- seeking graduate students.

0104	Joan Lieber **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0108	Frances Kohl **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0109	Peter Leone **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0116	Paula Beckman **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)

0117	Rebecca Silverman **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0118	Susan De La Paz **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0120	Margaret McLaughlin **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0121	Debra Neubert **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0122	Philip Burke **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0124	Leslie Page-Voth **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0125	Jade Wexler **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0204	Joan Lieber **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0208	Frances Kohl **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0209	Peter Leone **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)

0210	Leslie Page-Voth **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0216	Paula Beckman **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0217	Rebecca Silverman **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0218	Susan De La Paz **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0220	Margaret McLaughlin **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0221	Debra Neubert **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0222	Philip Burke **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0225	Jade Wexler **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)

EDSP889 **Internship in Special Education**

(Perm req)

Credits: 3-8 Grading Method: Regular

Internship experiences at a professional level of competence in a particular role with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students advanced to candidacy for doctoral degree.

Contact department for information to register for this course.

EDSP898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

EDSP899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Registration required to the extent of 6-9 hours for an Ed.D. Project and 12-18 hours for a Ph.D. dissertation.

Contact department for information to register for this course.

ENAE Engineering, Aerospace Summer 2016

ENAE202 **Aerospace Computing**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Corequisite: MATH140. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department.

Introduction to computational tools for the solution of engineering problems. C++ & MATLAB programming including branching and loops, functions, file handling, arrays, and data structures. Students will be introduced to object-oriented programming, basic computing, algorithms, and principles of software engineering.

0201	Robert Sanner	Seats (Total: 25)	
	Meets July 11, 2016 - August 19, 2016		
	MTuWF 12:30pm - 1:50pm	EGR 2154	
	Th 12:00pm - 2:00pm	KEB 2107	Lab

ENAE283 **Introduction to Aerospace Systems**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: PHYS161, MATH141, and ENES102. Corequisite: PHYS261 and PHYS260. Restriction: Must be in Engineering: Aerospace program. Credit only granted for: (ENAE281 and ENAE282) or ENAE283. Formerly: ENAE281 and ENAE282.

Introduction to airplanes and space vehicles as aerospace systems. Fundamentals that describe these systems. Elements of aerodynamics, airfoils and wings. Airplane performance, stability and control. Aircraft and rocket propulsion. Fundamentals of orbital motion. Aspects of vehicle conceptual design.

0101	Andrew Becnel	Seats (Total: 30)
	Meets May 31, 2016 - July 8, 2016	
	MTuWThF 4:30pm - 5:50pm	EGR 3106

ENAE311 **Aerodynamics I**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail

Prerequisite: PHYS271, MATH461, PHYS270, MATH246, ENAE283, ENES220, ENAE202, and MATH241. Corequisite: ENES232. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department. And junior standing or higher.

Fundamentals of aerodynamics. Elements of compressible flow. Normal and oblique shock waves. Flows through nozzles, diffusers and wind tunnels. Elements of the method of characteristics and finite difference solutions for compressible flows. Aspects of hypersonic flow.

0201	Nathan Shumway, Ryan Houim	Seats (Total: 20)
	Meets July 11, 2016 - August 19, 2016	
	MWF 4:00pm - 6:15pm	EGR 1102

ENAE423 **Vibration and Aeroelasticity**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENAE324. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department.

Dynamic response of single and multiple degrees of freedom systems, finite element modeling, wing divergence, aileron reversal, wing and panel flutter.

0201	Sung Lee	Seats (Total: 20)
	Meets July 11, 2016 - August 19, 2016	
	MTuWThF 8:00am - 9:20am	EGR 2154

ENAE488D **Topics in Aerospace Engineering; Computer Aided Design**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Technical elective taken with the permission of the student's advisor and instructor. Lecture and conference courses designed to extend the student's understanding of aerospace engineering. Current topics are emphasized.

ENAE200 or permission required Introduction to computer graphics in computer-aided design.

0201	Evandro Valente	Seats (Total: 35)
	Meets July 11, 2016 - August 23, 2016	
	MTuWTh 9:30am - 11:15am	EGR 0309

ENAE488J **Topics in Aerospace Engineering; Test & Evaluation of Unmanned Aerial Systems**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Technical elective taken with the permission of the student's advisor and instructor. Lecture and conference courses designed to extend the student's understanding of aerospace engineering. Current topics are emphasized.

0201	Evandro Valente	Seats (Total: 25)
	Meets July 11, 2016 - August 19, 2016	
	MWF 6:00pm - 8:10pm	Location: TBA

ENAE499 **Elective Research; Individual Instruction**

(Perm req)

Credits: 3 Grading Method: Regular

Undergraduate research project and paper conducted under the direction of an aerospace engineering faculty member to be presented at a conference or competition.

Contact department for information to register for this course.

ENAE799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

ENAE898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

ENAE899 **Doctoral Dissertation Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

ENCE201 **Engineering Information Processing**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENES220 and MATH241; and permission of ENGR-Civil & Environmental Engineering department. Corequisite: MATH246. Credit only granted for: ENCE201 or ENCE203.

Exploration of algorithms for solving problems in several important areas of numerical computing: roots of equations; matrix algebra and the systems of linear equations; function approximation, numerical differentiation and integration; and ordinary differential equations. Issues of solution accuracy, robustness, and efficiency are also considered. Numerical techniques are presented in the context of engineering applications, and example problems are solved using a variety of computer-based tools (primarily MATLAB).

WB11	Peter Chang	Seats (Total: 30)
	Meets May 31, 2016 - July 8, 2016	
	TuTh 7:30pm - 9:00pm	ONLINE
	Class time/details on ELMs	ONLINE

ENCE215 **Engineering for Sustainability**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHEM135; and permission of ENGR-Civil & Environmental Engineering department.

Engineers have a key role to play in planning, designing, building, and ensuring a sustainable future. In this class, a problem-based approach is used to examine fundamentally-based analyses and approaches for engineering as sustainable society, with a focus on sustainable use of energy and materials, sustainable infrastructure solutions, atmospheric sustainability and sustainable water supply, and human population growth and resource consumption and its implications for sustainability.

WB21	Natasha Andrade	Seats (Total: 20)
	Meets July 11, 2016 - August 19, 2016	
	Tu 7:30pm - 8:30pm	ONLINE

ENCE320 **Introduction to Project Management**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Permission of ENGR-Civil & Environmental Engineering department. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering or in the Project Management Minor.

Learn the fundamentals of project management and the analytical skills for the management side of engineering projects.Topics include economic analysis, project screening and selection, organizational and project structure, scheduling, budgeting, resource management, life cycle costing, and project control.

WB11	Scott Macrae	Seats (Total: 32)
	Meets May 31, 2016 - August 19, 2016	
	MTu 8:00pm - 9:00pm	ONLINE
	Class time/details on ELMs	ONLINE

ENCE360 **Analysis of Civil Engineering Systems**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENCE201 and MATH140; and permission of ENGR-Civil & Environmental Engineering department.

Introduction to systems approach and systems analysis in civil and environmental engineering. Introduction to systems analysis tools that facilitate engineering management decision making including optimization and computer simulation. Introduction to linear and nonlinear mathematical optimization including linear and integer programming, elementary nonlinear programming and dynamic programming.

Contact department for information to register for this course.

ENCE422 **Project Cost Accounting and Economics**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of ENGR-Civil & Environmental Engineering department. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering; or must be in the Construction Project Management Minor; or must be in the Project Management Minor.

Learn: the fundamentals of accounting; project cost accounting principles as they apply to project management; project cost accounting; and the fundamentals of engineering economics.Topics include: project feasibility analysis; reading and analyzing financial statements; cash management; cash flow analysis; depreciation and taxes; and impact on profitability; the principles of activity based costing; net present value analysis; the framework for project performance measurement, cost performance indices, and earned value analysis.

WB11	Qingbin Cui	Seats (Total: 30)
	Meets May 31, 2016 - July 8, 2016	
	MTh 7:00pm - 8:00pm	ONLINE
	Class time/details on ELMs	ONLINE

ENCE424 **Communication for Project Managers**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Permission of ENGR-Civil & Environmental Engineering department. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering; or must be in the Construction Project Management Minor; or must be in the Project Management Minor.

Learn the fundamentals of communications for project managers. Emphasis is on interpersonal and group communications; through voice, electronic, and written messages; project cycle and reports and presentations during this cycle; and communications for employment.

WB11	William Brantley	Seats (Total: 30)	
	Meets May 31, 2016 - August 19, 2016		
	Class time/details on ELMs	ONLINE	
	Th 9:30pm - 10:30pm	ONLINE	Discussion

ENCE489 **Special Problems in Civil Engineering**

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

A course arranged to meet the needs of exceptionally well prepared students for study in a particular field of civil engineering.

Contact department for information to register for this course.

ENCE489C **Special Problems in Civil Engineering; Sustainability and Smart Cities**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

A course arranged to meet the needs of exceptionally well prepared students for study in a particular field of civil engineering.

Contact department for information to register for this course.

ENCE489I **Special Problems in Civil Engineering; Sustainable Green Infrastructure for the Urban Environment: Italy**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

A course arranged to meet the needs of exceptionally well prepared students for study in a particular field of civil engineering.

Contact department for information to register for this course.

ENCE623 **Introduction to Advanced Scheduling**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENCE423 or ENCE662; and permission of ENGR-Civil & Environmental Engineering department. Credit only granted for: ENCE623 or ENCE688S.

A Combination of lecture and hands-on use of software to develop advanced knowledge and skills necessary to master advanced scheduling techniques for project management and control will be used. No software purchase is necessary.

PM01	Kenneth O'Connell	Seats (Total: 30)
	Meets May 31, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

ENCE625 **Project Administration**

Credits: 3 Grading Method: Regular, Audit

The principles of project administration procedures from the viewpoint of a resident project manager or project engineer specifically addressing their responsibilities in the engineering, design, or construction industries are examined. The course is suitable for students, engineering and design professionals, project managers, experienced contract administrators, and owners interested in the special administrative problems of construction.

Class has weekly videoconferencing.

0101	Neil Schulman	Seats (Total: 20)	
	Meets May 31, 2016 - July 8, 2016		
	TuTh 5:30pm - 8:40pm	JMP 2121	
PM01	Neil Schulman	Seats (Total: 30)	
	Meets May 31, 2016 - July 8, 2016		
	Class time/details on ELMs	ONLINE	
	MW 7:00pm - 8:00pm	ONLINE	Discussion

ENCE661 **Project Cost Accounting and Finance**

Credits: 3 Grading Method: Regular, Audit

This course reviews the fundamentals of accounting; examines project cost accounting principles, applications, and impact on profitability; examines the principles of activity based costing; covers the elements involved in cash management; introduces the framework for how projects are financed and the potential impact financing has on the projects; and a framework for evaluating PC based systems and what resources are needed for an effective project cost system.

The first video conference on Monday will be from 8:00pm-9:00pm instead of 7:00pm-8:00pm, just for the first conference.

PM01	James Myers	Seats (Total: 30)
	Meets May 31, 2016 - August 23, 2016	
	M 7:00pm - 8:00pm	ONLINE
	Tu 3:30pm - 4:30pm	ONLINE

ENCE688 **Advanced Topics in Civil Engineering**

Credits: 1-3 Grading Method: Regular, Audit

Advanced topics selected by the faculty from the current literature of civil engineering to suit the needs and background of students. May be taken for repeated credit when identified by topic title.

Contact department for information to register for this course.

ENCE689 **Seminar**

Credits: 1-16 Grading Method: Regular, Audit

Contact department for information to register for this course.

ENCE799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

ENCE898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

ENCE899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

ENCH648 **Special Problems in Chemical Engineering**

Credits: 1-16 Grading Method: Regular, Audit

0105	Peter Kofinas **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0113	Chunsheng Wang **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0114	Ganesh Sriram **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0214	Ganesh Sriram **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
I206	Mikhail Anisimov **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)

ENCH648L **Special Problems in Chemical Engineering; Photovoltaics: Solar Energy**

Credits: 3 Grading Method: Regular, Audit

Contact department for information to register for this course.

ENCH799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

ENCH898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

ENCH899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

ENCO Engineering, Cooperative Education — Summer 2016

ENCO098 **Co-op/Internship Work Experience**

(Perm req)

Credits: 0 Grading Method: Sat-Fail

Participation in a cooperative education (co-op) or internship program enables students to apply the theories that they have learned in their traditional classes with paid, supervised, career-related work experience that develops technical and professional work skills. Contact the Engineering Co-op & Career Services Office.

CP10	Heidi Sauber **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 300)
CP20	Heidi Sauber, Veronica Perrigan **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 300)

ENEE Electrical & Computer Engineering — Summer 2016

ENEE200 **Social and Ethical Dimensions of Engineering Technology**

Credits: 3 Grading Method: Regular CORE: IE General Education: DSHU, SCIS

Restriction: Sophomore standing or higher.

Designed for both engineering and non-engineering students wishing to explore and assess the impact of engineering technology on society and the role of society in generating that technology. Special emphasis is placed on the interplay of diverse and often conflicting personal and collective values in both the development and implementation of new technologies. These subjects touch on many areas of interest including ethics, politics, business, the law, and society.

0101	Wesley Lawson **Meets May 31, 2016 - July 8, 2016** MTuWThF 11:00am - 12:20pm	Seats (Total: 25) EGR 3106

ENEE205 **Electric Circuits**

(Perm req)

Credits: 4 Grading Method: Regular

Prerequisite: Minimum grade of C- in PHYS260; and permission of ENGR-Electrical & Computer Engineering department. Corequisite: MATH246. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical). Credit only granted for: ENEE204 or ENEE205. Formerly: ENEE204.

Design, analysis, simulation, construction and evaluation of electric circuits. Terminal Relationships. Kirchoff's laws. DC and AC steady state analysis. Node and mesh methods. Thevenin and Norton equivalent circuits. Transient behavior of first- and second-order circuits. Frequency response and transfer functions. Ideal op-amp circuits. Diode and transistor circuits.

0101	Wesley Lawson	Seats (Total: 12)	
	Meets May 31, 2016 - July 21, 2016		
	MTuWTh 12:30pm - 1:50pm	EGR 3106	
	TuTh 8:00am - 10:50am	AVW 1356	Lab

ENEE222 **Elements of Discrete Signal Analysis**

(Perm req)

Credits: 4 Grading Method: Regular

Prerequisite: Minimum grade of C- in MATH141; and permission of ENGR-Electrical & Computer Engineering department. And minimum grade of C- in ENEE140; or minimum grade of C- in CMSC131. Restriction: Must be in one of the following programs (Engineering: Electrical; Engineering: Computer). Credit only granted for: ENEE222, ENEE241, or MATH242. Formerly: ENEE241.

Discrete-time and continuous-time signals, sampling. Linear transformers, orthogonal projections. Discrete Fourier Transform and its properties. Fourier Series. Introduction to discrete-time linear filters in both time and frequency domains.

0101	Seyed Bahari	Seats (Total: 30)	
	Meets May 31, 2016 - July 21, 2016		
	MTuWTh 2:30pm - 3:50pm	KEB 1200	
	MW 10:00am - 11:50am	KEB 2107	Lab

ENEE244 **Digital Logic Design**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Must have completed or be concurrently enrolled in CMSC132 or ENEE150; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Sophomore standing or higher; and must be in one of the following programs (Engineering: Computer; Engineering: Electrical).

The design and analysis of combinational and synchronous sequential systems comprising digital logic gates and flip-flop memory devices; underlying tools such as switching and Boolean algebras and Karnaugh map simplification of gate networks; design and use of decoders, multiplexers, encoders, adders, registers, counters, sequence recognizers, programmable logic arrays (PLAs), read-only memories (ROMS, PROMS), and similar devices. Arbitrary radix conversion.

Engineering College only (04).

0101	Manoj Franklin	Seats (Total: 30)
	Meets May 31, 2016 - July 21, 2016	
	MTuWTh 9:30am - 10:50am	CSI 2107

ENEE303 **Analog and Digital Electronics**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Electrical; Engineering: Computer). Credit only granted for: ENEE302 or ENEE303.

Conceptual operation of transistors and diodes. Large and small signal operation of BJTs and MOSFETs. Basic transistor configurations. Logic circuits and semiconductor memory. Multi-transistor circuits including differential amplifiers and current mirrors. Frequency response.

0101	Manoj Franklin	Seats (Total: 40)
	Meets May 31, 2016 - July 21, 2016	
	MTuWTh 12:30pm - 1:50pm	CSI 2107

ENEE313 **Introduction to Device Physics**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Electrical; Engineering: Computer). Credit only granted for: ENEE312 or ENEE313.

Basic physics of devices including fields in solids, crystal structure, properties of electrons and holes. Current flow in Si using drift-diffusion model. Properties of the pn junction. Properties of devices including BJTs, FETs and their physical characteristics.

0101	Danilo Romero	Seats (Total: 30)
	Meets May 31, 2016 - July 21, 2016	
	MTuWTh 9:30am - 10:50am	EGR 2116

ENEE324 **Engineering Probability**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: ENEE322; and completion of all lower-division technical courses in the EE curriculum. Credit only granted for: BMGT231, STAT400 or ENEE324. Additional information: Electrical Engineering and Computer Engineering majors may not substitute STAT400 for ENEE324. These courses are not interchangeable, consult your program requirements or advisor for what is acceptable toward your program of study.

Axioms of probability; conditional probability and Bayes' rules; random variables, probability distribution and densities: functions of random variables: weak law of large numbers and central limit theorem. Introduction to random processes; correlation functions, spectral densities, and linear systems. Applications to noise in electrical systems, filtering of signals from noise, estimation, and digital communications.

0101	Manoj Franklin	Seats (Total: 47)
	Meets May 31, 2016 - July 21, 2016	
	MTuWTh 11:00am - 12:20pm	CSI 2107

ENEE350 **Computer Organization**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical). Formerly: ENEE250. Additional information: Electrical Engineering and Computer Engineering majors may not substitute CMSC311 for ENEE350. Not open to students who have completed ENEE250.

Structure and organization of digital computers. Registers, memory, control and I/O. Data and instruction formats, addressing modes, assembly language programming. Elements of system software, subroutines and their linkages.

ENEE majors (09090) only.

0101	Ankur Srivastava	Seats (Total: 30)
	Meets May 31, 2016 - July 21, 2016	
	MW 3:30pm - 6:20pm	CSI 2118

ENEE380 **Electromagnetic Theory**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in MATH241, PHYS270, and PHYS271; and completion of all lower-division technical courses in the EE curriculum; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in Engineering: Electrical program.

Introduction to electromagnetic fields. Coulomb's law, Gauss's law, electrical potential, dielectric materials capacitance, boundary value problems, Biot-Savart law, Ampere's law, Lorentz force equation, magnetic materials, magnetic circuits, inductance, time varying fields and Maxwell's equations.

0101	Danilo Romero	Seats (Total: 30)
	Meets May 31, 2016 - July 21, 2016	
	MTuWTh 2:00pm - 3:20pm	EGR 2116

ENEE459V **Topics in Computer Engineering; Embedded Systems**

Credits: 3 Grading Method: Regular

Selected topics of current importance in computer engineering.

Prerequisites: ENEE350; ENEE244; ENEE150 or CMSC216 The first decade of 21st century was marked by the emergence of smart devices that are used in everyday life. Smart phones, smart cars, smart TV, smart thermostats, smart vacuum cleaners, to name just a few. These developments are powered in large part by the embedded systems. This course will provide students with the essential knowledge base that will enable them to tackle complex problems encountered in embedded systems design. In addition to the overview of associated hardware components and software methodologies and tools used in the development of modern embedded systems, and theory behind them, the course will include a a carefully selected collection of hands-on Lab exercises that would help students get a sense of how the presented theoretical concepts connect with the real-world embedded systems applications.

0101	George Zaki	Seats (Total: 7)
	Meets May 31, 2016 - July 21, 2016	
	MTh 5:00pm - 7:50pm	JMP 3201
WB11	George Zaki	Seats (Total: 15)
	Meets May 31, 2016 - July 21, 2016	
	Class time/details on ELMs	ONLINE

ENEE488 **Independent Study in Electrical and Computer Engineering**

(Perm req)

Credits: 1-3 Grading Method: Regular

The purpose is to provide students with an opportunity for independent study projects on advanced electrical and computer engineering topics. These projects typically involve academic investigations of technical themes that are not addressed in the established elective and special topics courses taught by the department on a regular basis. Study plans are tailored to students educational goals but are approved and supervised by faculty.

Contact department for information to register for this course.

ENEE499 **Senior Projects in Electrical and Computer Engineering**

(Perm req)

Credits: 1-5 Grading Method: Regular

The purpose is to provide students with an opportunity to engage in independent research projects on advanced electrical and computer engineering topics. Projects are selected by students and supervised by faculty and other qualified mentors. While students may be required to acquire new skills or information in the course of completing a 499 project, the focus is to conduct an independent investigation of a technical theme by the student. The project may be used to satisfy the advanced lab requirement if it is approved as a primarily - experimental research project. In that case, the student will enroll in ENEE499L.

Contact department for information to register for this course.

ENEE499L **Senior Projects in Electrical and Computer Engineering**

(Perm req)

Credits: 1-3 Grading Method: Regular

The purpose is to provide students with an opportunity to engage in independent research projects on advanced electrical and computer engineering topics. Projects are selected by students and supervised by faculty and other qualified mentors. While students may be required to acquire new skills or information in the course of completing a 499 project, the focus is to conduct an independent investigation of a technical theme by the student. The project may be used to satisfy the advanced lab requirement if it is approved as a primarily - experimental research project. In that case, the student will enroll in ENEE499L.

Contact department for information to register for this course.

ENEE499R **Senior Projects in Electrical and Computer Engineering**

(Perm req)

Credits: 1-3 Grading Method: Regular

The purpose is to provide students with an opportunity to engage in independent research projects on advanced electrical and computer engineering topics. Projects are selected by students and supervised by faculty and other qualified mentors. While students may be required to acquire new skills or information in the course of completing a 499 project, the focus is to conduct an independent investigation of a technical theme by the student. The project may be used to satisfy the advanced lab requirement if it is approved as a primarily - experimental research project. In that case, the student will enroll in ENEE499L.

Contact department for information to register for this course.

ENEE699 **Independent Studies in Electrical Engineering**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Supervised individual study or project, or supervised group study or project, at an advanced level, in electrical engineering.

Contact department for information to register for this course.

ENEE759V **Advanced Topics in Computer Engineering; Embedded Systems**

Credits: 3 Grading Method: Regular, Audit

Topics, as announced every semester, from the field of computer engineering and its applications.

Prerequisite: ENEE350 or equivalent course on Computer Architecture, ENEE244 or equivalent course on Digital Logic Design, ENEE150 or equivalent course on programming (preferably C). The first decade of 21st century was marked by the emergence of smart devices that are used in everyday life. Smart phones, smart cars, smart TVs, smart thermostats, smart vacuum cleaners, just to name a few. These devolopments are powered in large part by the embedded systems. This course will provide students with the essential knowledge base that will enable them to tackle complex problesm encountered in embedded systems design. In addition to the overview of associated hardware components and software methodologies and tools used in the development of modern embedded systems, and theory behind them, the course will include a carefully selected collection of hands-on Lab excercises that would help students get a sense of how the presented theoretical concepts connect with the real-world embedded systems applications.

0101	George Zaki **Meets May 31, 2016 - July 21, 2016** MTh 5:00pm - 7:50pm	Seats (Total: 20) JMP 3201
WB11	George Zaki **Meets May 31, 2016 - July 21, 2016** Class time/details on ELMs	Seats (Total: 15) ONLINE

ENEE799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

ENEE898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular, Sat-Fail

Provide training in education for senior PhD students who contemplate a academic career, and give them the opportunity to gain some teaching experience. Emphasis is on issues that are of special importance in electrical and computer engineering education.

Contact department for information to register for this course.

ENEE899 **Doctoral Dissertation Research**

(Perm req)

Credits: 1-8 Grading Method: Sat-Fail

Contact department for information to register for this course.

ENES Engineering Science Summer 2016

ENES100 **Introduction to Engineering Design**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: PS General Education: DSSP

Corequisite: MATH140.

Students work as teams to design and build a product using computer software for word-processing, spreadsheet, CAD, and communication skills.

YS41	David Lovell	Seats (Total: 32)
	Meets July 11, 2016 - July 29, 2016	
	MTuWThF 9:00am - 1:00pm	JMP 1215
	This section is part of Terp Young Scholars. Enrollment by permission only.	
YS42	Peter Chang	Seats (Total: 30)
	Meets July 11, 2016 - July 29, 2016	
	MTuWThF 9:00am - 1:00pm	JMP 1116
	This section is part of Terp Young Scholars. Enrollment by permission only.	

ENES102 **Mechanics I**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Corequisite: MATH140. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering. Formerly: ENES110.

The equilibrium of stationary bodies under the influence of various kinds of forces. Forces, moments, couples, equilibrium, trusses, frames and machines, centroids, moment of inertia, beams, friction, stress/strain, material properties. Vector and scalar methods are used to solve problems.

0101	Thomas Beigel	Seats (Total: 50)
	Meets May 31, 2016 - July 8, 2016	
	MTuWTh 12:30pm - 2:50pm	EGR 1108

ENES104 **Introduction to Materials and their Applications**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in the Young Scholars Program.

Creating a new technology, nanotechnology, biotechnology, or plastic electronics requires developing the materials first. In this class we'll explore materials science and engineering where engineers change the properties and/or behavior of a material to make them more useful. The course covers the chemical composition, phase transformations, corrosion and mechanical properties of materials as well as their electrical, thermal, magnetic and optical properties. Learn about the unlimited possibilities for innovation and adaption through the exciting field of nanotechnology.

YS41	Isabel Lloyd	Seats (Total: 13)
	Meets July 11, 2016 - July 29, 2016	
	MTuWThF 9:00am - 11:50am	EGR 3106
	This section is part of Terp Young Scholars. Enrollment by permission only.	

ENES106 **Achieving Success in Mathematics**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of ENGR-A. James Clark School of Engineering.

An exploration of the skills and habits needed to successfully complete introductory mathematics courses.

Restricted to students in the Summer Bridge Program.

CP01	Stephen Balady	Seats (Total: 20)
	Meets June 28, 2016 - July 29, 2016	
	MTuWThF 9:00am - 11:00am	EGR 3102

ENES107 **Achieving College Excellence**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of ENGR-A. James Clark School of Engineering.

An exploration of the skills and habits needed to successfully complete the introductory chemistry course for engineering students. Course will also include strategies for a successful first year experience.

Restricted to students in the Summer Bridge Program.

CP01	Michelle Udeli	Seats (Total: 20)
	Meets June 28, 2016 - July 29, 2016	
	MTuWThF 11:00am - 12:30pm	EGR 3102
	Permission is limited to students in the Summer Bridge Program.	

ENES140 **Discovering New Ventures**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Additional information: This course may count as an elective for a student at the University of Maryland, depending on the student's specific degree program. It cannot be counted towards the requirements for the Smith School of Business Entrepreneurship Fellow Program.

Students explore dynamic company startup topics by working in teams to design a new venture. This multi-disciplinary course helps students to learn the basic business, strategy, and leadership skills needed to launch new ventures. Topics include learning how to assess the feasibility of a startup venture, as well as how to apply best practices for planning, launching, and managing new companies. Students discuss a wide range of issues of importance and concern to entrepreneurs and learn to recognize opportunities, assess the skills and talents of successful entrepreneurs, and learn models that help them navigate uncertainty.

WB31	James Green	Seats (Total: 100)
	Meets May 31, 2016 - June 17, 2016	
	Class time/details on ELMs	ONLINE

ENES220 **Mechanics II**

(Perm req)

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ENES102; and (MATH141 and PHYS161). Restriction: Must be in a major in ENGR-A. James Clark School of Engineering; and must not be in Engineering: Electrical program.

Stress and deformation of solids-rods, beams, shafts, columns, tanks, and other structural, machine and vehicle members. Topics include stress transformation using Mohr's circle; shear and moment diagrams; derivation of elastic curves; and Euler's buckling formula. Design problems related to this material are given in lab.

0201	Thomas Beigel **Meets July 11, 2016 - August 19, 2016** MTuWTh 12:00pm - 2:20pm	Seats (Total: 50) EGR 1108
0501	Stephen Kamakaris **Meets June 20, 2016 - July 8, 2016** MTuWThF 9:00am - 1:00pm	Seats (Total: 40) KEB 1200

ENES221 **Dynamics**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ENES102; and (MATH141 and PHYS161). Restriction: Must be in a major in ENGR-A. James Clark School of Engineering.

Systems of heavy particles and rigid bodies at rest and in motion. Force-acceleration, work-energy and impulse-momentum relationships. Motion of one body relative to another in a plane and in space.

0201	Patrick McAvoy **Meets July 11, 2016 - August 19, 2016** MTuWTh 12:00pm - 2:20pm	Seats (Total: 40) EGR 1104

ENES232 **Thermodynamics**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS261 and PHYS260. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering. Credit only granted for: BIOE232, CHBE300, ENCH300, ENES232, ENMA461, ENME320, or ENME232. Formerly: ENME232 and ENME320.

Introduction to thermodynamics. Thermodynamic properties of matter. First and second laws of thermodynamics, cycles, reactions, and mixtures.

0201	Kristen Hines **Meets July 11, 2016 - August 19, 2016** MTuWTh 9:00am - 11:20am	Seats (Total: 40) ITV 1111

ENES269C **Topics in Grand Challenges for Engineering in a Global Context; The View from China**

Credits: 3 Grading Method: Regular General Education: DSNS, DVCC, SCIS

Special topics course that explores the grand engineering challenges facing the world from a technical, cultural, political, and economic perspective, as well as solutions developed through innovation and technology. Topics can include energy, environment, urban infrastructure, health, safety and security, and engineering the tools of discovery.

Contact department for information to register for this course.

ENES269F **Topics in Grand Challenges for Engineering in a Global Context; A Global Perspective on Security: France**

Credits: 3 | Grading Method: Regular | General Education: DSNS, DVCC, SCIS

Special topics course that explores the grand engineering challenges facing the world from a technical, cultural, political, and economic perspective, as well as solutions developed through innovation and technology. Topics can include energy, environment, urban infrastructure, health, safety and security, and engineering the tools of discovery.

Contact department for information to register for this course.

ENES269G **Topics in Grand Challenges for Engineering in a Global Context; Grand Challenges for Engineering in a Global Context: Germany**

Credits: 3 | Grading Method: Regular | General Education: DSNS, DVCC, SCIS

Special topics course that explores the grand engineering challenges facing the world from a technical, cultural, political, and economic perspective, as well as solutions developed through innovation and technology. Topics can include energy, environment, urban infrastructure, health, safety and security, and engineering the tools of discovery.

Contact department for information to register for this course.

ENES317 **Introduction to Engineering Leadership**

(Perm req)

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Prerequisite: Permission of ENGR-A. James Clark School of Engineering.

Focus is placed on general leadership theories in addition to real-world applications of leadership in engineering education, industry, and government.

HY21	Ramsey Jabaji	Seats (Total: 20)
	Meets July 11, 2016 - August 19, 2016	
	Th 5:00pm - 8:00pm Class time/details on ELMs	EGR 3102 ONLINE
	During the Summer non-engineering students may take the class. This is a blended learning course which requires you to attend an on-campus class each Thursday from 5pm-8pm.	

ENES458A **Topics in International Engineering; Engineers Without Borders: Leadership Seminar - Assessment**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

A variety of topics related to engineering in a global context are discussed including cultural aspects, cross-cultural communication, international standards and law, and engineering and technology issues, business behavior, attitudes and values of selected countries and regions.

Ghana

Contact department for information to register for this course.

ENES458C **Topics in International Engineering; Engineers Without Borders: Leadership Seminar - Monitoring**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

A variety of topics related to engineering in a global context are discussed including cultural aspects, cross-cultural communication, international standards and law, and engineering and technology issues, business behavior, attitudes and values of selected countries and regions.

Contact department for information to register for this course.

ENES458I **Topics in International Engineering; Engineers Without Borders: Leadership Seminar - Implementation**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

A variety of topics related to engineering in a global context are discussed including cultural aspects, cross-cultural communication, international standards and law, and engineering and technology issues, business behavior, attitudes and values of selected countries and regions.

Contact department for information to register for this course.

ENES460 **Fundamentals of Technology Start-Up Ventures**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of ENGR-Maryland Technology Enterprise Institute. Credit only granted for: ENES460, BMGT461 or HLMN470. Formerly: ENES489A. Additional information: Course may not be used to fulfill any BMGT major or minor program requirement.

Fundamental aspects of creating, organizing, funding, managing, and growing a technology startup venture. This multidisciplinary course will draw on management, business, legal, financial, as well as technical, concepts. Students form teams and develop a business plan for a technology company, based on each team's own business idea and then present the plan to a panel of outside experts.

Please note, for Summer Term 2016, restrictions will not apply.

WB61	Cait von Schnetlage	Seats (Total: 60)
	Meets August 1, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE
	Students who wish to register for this section after July 15, 2016, please email summer@umd.edu.	

ENES462 **Marketing High-Technology Products and Innovations**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of ENGR-Maryland Technology Enterprise Institute. Additional information: Course may not be used to fulfill any BMGT major or minor program requirement.

Examines the opportunities and challenges of marketing high-technology products in turbulent environments requiring rapid decision making with incomplete information. Explores how innovations are introduced at frequent intervals, research-and-development spending is vital, and there are high mortality rates for both products and businesses.

Please note, for Summer Term 2016, restrictions will not apply.

WB51	Olufunlola Koiki	Seats (Total: 50)
	Meets June 20, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE

ENES463 **Strategies for Managing Innovation**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of ENGR-Maryland Technology Enterprise Institute. Credit only granted for: ENES463, BMGT467 or HLMN472. Additional information: Course may not be used to fulfill any BMGT major or minor program requirement.

Emphasizes how the technology entrepreneur can use strategic management of innovation and technology to enhance firm performance. Examines the process of technological change, the ways that firms come up with innovations, the strategies that firms use to benefit from innovation, and the process of formulating technology strategy. Provides frameworks for analyzing key aspects of these industries and teaches students how to apply these frameworks.

Please note, for Summer Term 2016, restrictions will not apply.

WB31	Thomas Mierzwa	Seats (Total: 50)
	Meets May 31, 2016 - June 17, 2016	
	Class time/details on ELMs	ONLINE

ENES464 **International Entrepreneurship and Innovation**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of ENGR-Maryland Technology Enterprise Institute. Additional information: Course may not be used to fulfill any BMGT major or minor program requirement.

Focuses on the need for every entrepreneur and innovator to understand the global market in today's hypercompetitive world, and to appreciate how to compete effectively in domestic markets by managing international competitors, suppliers, and influences. Explore how the distinction between foreign and domestic markets is becoming less pronounced. Develop skills to identify and manage opportunities on a global basis.

Please note, for Summer Term 2016, restrictions will not apply.

WB51	Shyam Chidamber	Seats (Total: 50)
	Meets June 20, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE
	Students who wish to register for this section after June 6, 2016, please email summer@umd.edu.	

ENES466 **Leading and Financing the Technology Venture**

Credits: 3 Grading Method: Regular

Restriction: Permission of ENGR-Maryland Technology Enterprise Institute. Credit only granted for: ENES466, BMGT365 or HLMN471. Additional information: Course may not be used to fulfill any BMGT major or minor program requirement.

Focuses on the challenges of leading and financing new technology ventures. Leadership topics include team selection and formation, aligning rewards with relative contributions of team members, and how early decisions can enable or prevent founders from achieving results that align with their individual motivations for becoming an entrepreneur. Essential tools and methods for building a strong financial foundation for a new technology venture are examined. Includes important accounting principles as well as methods for keeping financial control of the technology venture. Insights are shared on navigating the multitude of financial barriers that may block your entrepreneurial success, as well as how to grow the technology venture from concept through launch.

Please note, for Summer Term 2016, restrictions will not apply.

WB41	Michael Pratt	Seats (Total: 40)
	Meets July 11, 2016 - July 29, 2016	
	Class time/details on ELMs	ONLINE

ENES471 **Legal Aspects of Entrepreneurship**

Credits: 3 Grading Method: Regular

Additional information: Course may not be used to fulfill any BMGT major or minor program requirement.

Explores critical legal and business issues entrepreneurs face as they build and launch a new venture. Examines real world scenarios, and addresses the legal issues at all of the important junctures along the path to success. Significant attention placed on new venture formation, intellectual property management, and financing arrangements.

WB41	Wilson White	Seats (Total: 40)
	Meets July 11, 2016 - July 29, 2016	
	Class time/details on ELMs	ONLINE

ENES472 **International Business Cultures in Engineering and Technology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DVCC

Prerequisite: Permission of ENGR-A. James Clark School of Engineering. Restriction: Sophomore standing or higher. Also offered as: SLLC472. Credit only granted for: ARHU439B, ARHU439E, ARHU439T, ENES472, SLLC471, SLLC472, or SLLC473. Formerly: ARHU439T.

The goal is to provide students with an understanding of cultural aspects pertaining to global business and engineering and develop the cultural understanding, attitudes, and communication skills needed to function appropriately within an increasingly global and multicultural working environment.

WB11	Jane Fines, Lena Kavaliauskas Crain	Seats (Total: 30)
	Meets May 31, 2016 - June 24, 2016	
	Class time/details on ELMs	ONLINE
	During the Summer non-engineering students may take the class.	

ENES664 **Business Modeling and Customer Validation**

Credits: 3 Grading Method: Regular, Audit

Focuses on how to create and deliver value for customers and extract value for the new venture. Develop business models that encompass the product or service, customers, and the economic engine to meet the venture's financial and growth objectives. Introduces a structured way to think about, analyze, and develop a sound business model that is customer validated.

PLM1	Daniel Gordon	Seats (Total: 50)
	Meets May 31, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE
	Restricted to students in the MPTE Program.	

ENES665 **Innovative Thinking**

Credits: 3 Grading Method: Regular

Introduces students to new and powerful tools to boost their creative problem solving skills. Participants re-discover their communication and teaming skills. Students unlock their creativity potential, and explore win-win approaches to define and solve problems of different kinds. Students are also introduced to topics related to intellectual property.

PLM1	Frankie Abralind	Seats (Total: 50)
	Meets May 31, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE
	Restricted to students in the MPTE Program.	

ENES670 **Financial Management and New Venture Financing**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit, Sat-Fail

Provides the essential tools and skills to build a strong financial foundation for a new technology venture. Examines accounting principles as well as methods for keeping firm financial control of the venture. Discusses navigating the multitude of financial barriers that may block entrepreneurial success, as well as how to raise the right amount of capital at the right time from the right source.

PLM1	Michael Pratt	Seats (Total: 50)
	Meets May 31, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE
	Restricted to students in the MPTE Program.	

ENES671 **Legal Aspects of Entrepreneurship**

Credits: 3 Grading Method: Regular, Audit

Explores critical legal and business issues entrepreneurs face as they build and launch a new venture. Examines real world scenarios, and addresses the legal issues at all of the important junctures along the path to success. Significant attention placed on new venture formation, intellectual property management, and financing arrangements.

PLM1	Wilson White	Seats (Total: 50)
	Meets May 31, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE
	Restricted to students in the MPTE Program.	

ENFP Engineering, Fire Protection Summer 2016

ENFP102 **Engineering and Testing Creative Fire Safe Building Designs**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Students are introduced to Fire Protection Engineering (FPE). Discussions on contemporary fire safety topics are designed to raise your interest and understanding of fire, its impact on people, property and the environment and methods to mitigate the threat of fire. Students will have hands-on experiences through a set of demonstrations and a final experiment to explore fire behavior and the performance of fire safety systems. The final experiment will apply the principles of fire behavior and fire safety systems to build and test a fire safe, small-scale residence.

YS41	James Milke, Kenneth Isman	Seats (Total: 8)
	Meets July 11, 2016 - July 29, 2016	
	MTuWThF 9:00am - 1:00pm	JMP 1109

ENFP312 **Heat and Mass Transfer**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENES232 and ENFP300. Restriction: Permission of ENGR-Fire Protection Engineering department.

Fundamentals of heat and mass transfer. Conduction, convection, and radiation modes of heat transfer. Diffusion concepts and evaporation phenomena. Problem solving techniques with application to fire problems.

0201	Paul Anderson	Seats (Total: 20)	
	Meets July 11, 2016 - August 19, 2016		
	TuTh 1:00pm - 4:15pm	JMP 1202	
	W 1:30pm - 3:00pm	JMP 1202	Discussion

ENFP429 **Independent Studies**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail

For students who have definite plans for individual study of approved problems, or study of an advanced topic selected in conjunction with the faculty.

Contact department for information to register for this course.

ENFP629 **Selected Topics**

Credits: 3-6 Grading Method: Regular, Audit

Current research, studies in fire protection engineering. Future trends and significant changes in research, professional areas. The professional standards process.

Contact department for information to register for this course.

ENFP649 **Special Problems**

Credits: 1-3 Grading Method: Regular, Audit

Advanced topics selected by the faculty from the current literature to suit the special needs and background of students, or for individual students who have definite plans of individual study.

Contact department for information to register for this course.

ENFP652 **Fire Assessment Methods**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: ENFP629B or ENFP652. Formerly: ENFP629B.

This on-line course offers a comprehensive review of experimental techniques to assess fire performance characteristics of materials, products and assemblies.

EF01	Marc Janssens	Seats (Total: 40)
	Meets May 30, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE
	Permission of OAEE department needed.	

ENFP661 **Forensic Fire Analysis**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: ENFP629D or ENFP661. Formerly: ENFP629D.

This on-line course addresses the forensic analysis of structural fire incidents in terms of enclosure fire dynamics and the impact of fire safety subsystems used to prevent or mitigate the consequences of fire. These subsystems include: ignition prevention, material flammability and flame spread, fire detection and alarm, fire suppression, smoke movement and management, structural fire protection and egress systems. Failures in these subsystems are addressed in terms of differences between expected and observed performance.

EF01	Gerald Haynes, David Icove **Meets May 30, 2016 - August 19, 2016** Class time/details on ELMs *Permission of OAEE department.*	Seats (Total: 40) ONLINE

ENFP799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

Development and completion of Master's Thesis.

Contact department for information to register for this course.

ENGL English Summer 2016

ENGL101 **Academic Writing**

Credits: 3 Grading Method: Regular General Education: FSAW

An introductory course in expository writing.

An introductory course in academic writing.

Click here for more course information.

0101	Elizabeth Miller **Meets May 31, 2016 - July 8, 2016** MW 9:30am - 1:00pm	Seats (Total: 19) TWS 0201
0201	John Kim **Meets July 11, 2016 - August 19, 2016** TuTh 1:00pm - 4:30pm	Seats (Total: 7) TWS 0207
0501	Katherine Joshi **Meets June 20, 2016 - July 29, 2016** MTuWThF 11:15am - 12:35pm	Seats (Total: 19) TWS 1107

WB11	Thomas Earles **Meets May 31, 2016 - July 8, 2016** Class time/details on ELMs	Seats (Total: 19) ONLINE
WB12	Douglas Kern **Meets May 31, 2016 - July 8, 2016** Class time/details on ELMs	Seats (Total: 19) ONLINE
WB21	Catherine Bayly **Meets July 11, 2016 - August 19, 2016** Class time/details on ELMs	Seats (Total: 19) ONLINE
WB22	David Brookshire **Meets July 11, 2016 - August 19, 2016** Class time/details on ELMs	Seats (Total: 19) ONLINE
XA21	John Kim **Meets July 11, 2016 - August 19, 2016** TuTh 1:00pm - 4:30pm	Seats (Total: 12) TWS 0207

ENGL245 **Film Form and Culture**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HA | General Education: DSHU

Restriction: Must not have completed FILM245. Also offered as: FILM245. Credit only granted for: CMLT214, CMLT245, ENGL245, or FILM245. Formerly: CMLT214.

Introduction to film as art form and how films create meaning. Basic film terminology; fundamental principles of film form, film narrative, and film history. Examination of film technique and style over past one hundred years. Social and economic functions of film within broader institutional, economic, and cultural contexts.

WB21	Paul Cote **Meets July 11, 2016 - August 19, 2016** Class time/details on ELMs	Seats (Total: 25) ONLINE

ENGL265 **Lesbian, Gay, Bisexual, and Transgender Literatures**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HL, D | General Education: DSHU, DVUP

Restriction: Must not have completed LGBT265. Also offered as: LGBT265. Credit only granted for: ENGL265 or LGBT265.

Exploration of literary and cultural expressions of sexuality and gender. Study of a range of historical periods and literary genres, such as essay, poetry, novel, drama, film. Topics include sexual norms and dissidence, gender identity and expression, the relationship between aesthetic forms and sexual subjectivity. Interpretation of texts particularly through the lens of queer theory. Examination of how sex and gender intersect with other forms of difference, including race and class.

Click here for more course information.

WB21	Emily Perez	Seats (Total: 20)
	Meets July 11, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

ENGL269A **Special Topics in Study Abroad II; American Writers in Paris**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ENGL269I **Special Topics in Study Abroad II; James Joyce's Dublin: Creative Writing with The Dubliners: Ireland**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ENGL269R **Special Topics in Study Abroad II; Writing Rome**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ENGL271 **Writing Poems and Stories: An Introductory Workshop**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Introduction to theory and practice of writing fiction and poetry. Emphasis on critical reading of literary models. Exercises and workshop discussions with continual reference to modeling, drafting, and revising as necessary stages in a creative process.

WB11	Lindsay Bernal	Seats (Total: 20)
	Meets May 31, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE

ENGL304 **The Major Works of Shakespeare**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU

Restriction: Must not have completed ENGL403 or ENGL404.

Representative early, middle, and later works, including comedies, tragedies, histories, and romances. Historical and cultural contexts.

WB21	Kim Coles	Seats (Total: 25)
	Meets July 11, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE
	Click here for more course information.	

ENGL312 **Romantic to Modern British Literature**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Detailed study of selected major texts from the 19th and 20th centuries Transitions from Romanticism to Victorian age to Modernism. Historical, social, literary contexts. Issues such as rise of democracy; industrial revolution; the "woman question"; revolutions in literary form. Authors might include Wordsworth, Austen, Dickens, Arnold, T.S. Eliot, and Woolf.

WB11	Jason Rudy	Seats (Total: 25)
	Meets May 31, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE
	Click here for more course information.	

ENGL327 **The Suburbs in American Literature and Film**

Credits: 3 | Grading Method: Regular, Pass-Fail | General Education: DSHU, DVUP

Explores through written expression and through cinema the diverse and changing world of US suburbia. Premised on two arguments: (1) the suburbs embody many of the contours and contradictions of American life; and (2) the suburbs are far more racially, ethnically, culturally, sexually, economically diverse than mass media suggests. Investigation via prose, poetry, drama, and cinema, as well as secondary sources in sociology, women's studies, ethnic studies, history, cultural studies, psychology, anthropology, and the history of science and technology.

WB21	Randy Ontiveros	Seats (Total: 25)
	Meets July 11, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE
	Click here for more course information.	

ENGL348G **Literary Works by Women; Jane Austen: Novels, Films, Adaptations**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit , D

The context, form, style and meaning of literary works by women.

WB11	Tita Chico	Seats (Total: 25)
	Meets May 31, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE
	Click here for more course information.	

ENGL359F **Special Topics in Lesbian, Gay, and Bisexual Literatures; Lesbian, Gay, Bisexual, and Transgender Film and Video**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Study of selected writers or particular themes in Lesbian, Gay, and Bisexual Literatures.

Also offered as LGBT327. Credit granted for LBGT327 or ENGL359F.

WB21	James Goodwin	Seats (Total: 30)
	Meets July 11, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE
	Click here for more course information.	

ENGL369A **Special Topics in Study Abroad III; American Writers in Paris**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ENGL369J **Special Topics in Study Abroad III; Ireland: James Joyce's Dublin**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ENGL369K **Special Topics in Study Abroad III; Great Directors**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ENGL369P **Special Topics in Study Abroad III; Politics and Science Fiction**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ENGL369R **Special Topics in Study Abroad III; Great Actors**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ENGL375 **J.R.R. Tolkien: Middle-earth and Beyond**

Credits: 3 Grading Method: Regular, Pass-Fail General Education: DSHU

Credit only granted for: ENGL375 or ENGL479D. Formerly: ENGL479D.

Introduction to J.R.R. Tolkien's best-known texts, "The Hobbit" and "The Lord of the Rings," and beyond. Tolkien's source material, themes, and writing style; the mythology of Tolkien's world as found in his posthumously published works; exploration of some of Tolkien's lesser-known works, such as "Farmer Giles of Ham," Smith of Wooten Major," "The Fall of Arthur," "The Legend of Roverandom" and his essay on "Beowulf."

WB21	Christopher Crane **Meets July 11, 2016 - August 19, 2016** Class time/details on ELMs *Click here for more course information.*	Seats (Total: 20) ONLINE

ENGL388P **Writing Internship; Pre-professional Writing Skills Internship**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail General Education: DSSP

Field work in English.

WB21	Karen Lewis **Meets July 11, 2016 - August 19, 2016** Class time/details on ELMs *Click here for more course information.*	Seats (Total: 20) ONLINE

ENGL391 **Advanced Composition**

Credits: 3 Grading Method: Regular General Education: FSPW

Prerequisite: ENGL101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits.

An advanced composition course which emphasizes constructing written arguments accommodated to real audiences.

0102	Mark Forrester **Meets May 31, 2016 - July 8, 2016** TuTh 9:30am - 12:45pm	Seats (Total: 19) TWS 1105
0107	Melanie Faith **Meets May 31, 2016 - July 8, 2016** MW 6:00pm - 9:15pm	Seats (Total: 19) TWS 0232
0201	Pamela Gerhardt **Meets July 11, 2016 - August 19, 2016** MW 9:30am - 12:45pm	Seats (Total: 19) TWS 0224
WB21	Kara Pleasants **Meets July 11, 2016 - August 19, 2016** Class time/details on ELMs	Seats (Total: 19) ONLINE

ENGL393 **Technical Writing**

Credits: 3 Grading Method: Regular General Education: FSPW

Prerequisite: ENGL101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits.

The writing of technical papers and reports.

0101	Joseph Wappel **Meets May 31, 2016 - July 8, 2016** MW 9:30am - 12:45pm	Seats (Total: 19) TWS 0224
0102	Mary Shea **Meets May 31, 2016 - July 8, 2016** TuTh 9:30am - 12:45pm	Seats (Total: 19) TWS 0224
0108	Amanda Olson **Meets May 31, 2016 - July 8, 2016** MW 6:00pm - 9:15pm	Seats (Total: 19) TWS 0224
0112	Joshua Buursma **Meets May 31, 2016 - July 8, 2016** TuTh 6:00pm - 9:15pm	Seats (Total: 19) ARC 1125
0202	Danuta Hinc **Meets July 11, 2016 - August 19, 2016** TuTh 9:30am - 12:45pm	Seats (Total: 19) TWS 0224
0206	Rebecca Ritzel **Meets July 11, 2016 - August 19, 2016** MW 6:00pm - 9:15pm	Seats (Total: 19) TWS 0214
WB11	Daniel Saalfeld **Meets May 31, 2016 - July 8, 2016** Class time/details on ELMs	Seats (Total: 19) ONLINE
WB12	Andrew Delfino **Meets May 31, 2016 - July 8, 2016** Class time/details on ELMs	Seats (Total: 19) ONLINE

WB13	Phillip Moses **Meets May 31, 2016 - July 8, 2016** Class time/details on ELMs	Seats (Total: 19) ONLINE
WB21	David Miles **Meets July 11, 2016 - August 19, 2016** Class time/details on ELMs	Seats (Total: 19) ONLINE
WB22	Sheila Lalwani **Meets July 11, 2016 - August 19, 2016** Class time/details on ELMs	Seats (Total: 19) ONLINE
WB23	Pamela Orel **Meets July 11, 2016 - August 19, 2016** Class time/details on ELMs	Seats (Total: 19) ONLINE

ENGL394 **Business Writing**

Credits: 3 Grading Method: Regular General Education: FSPW

Prerequisite: ENGL101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits.

Intensive practice in the forms of written communication common in the business world-letters, memos, short reports, and proposals. Principles of rhetoric and effective style.

0101	Mary Turner **Meets May 31, 2016 - July 8, 2016** MW 9:30am - 12:45pm	Seats (Total: 19) TWS 1105
0202	Ceil Goldberg **Meets July 11, 2016 - August 19, 2016** MW 6:00pm - 9:15pm	Seats (Total: 19) TWS 0224
WB11	Kate Wilson **Meets May 31, 2016 - July 8, 2016** Class time/details on ELMs	Seats (Total: 19) ONLINE
WB12	Karen Angeline **Meets May 31, 2016 - July 8, 2016** Class time/details on ELMs	Seats (Total: 19) ONLINE

WB21	Daune O'Brien **Meets July 11, 2016 - August 19, 2016** Class time/details on ELMs	Seats (Total: 19) ONLINE
WB22	Clare Parsons **Meets July 11, 2016 - August 19, 2016** Class time/details on ELMs	Seats (Total: 19) ONLINE

ENGL395 **Writing for Health Professions**

Credits: 3 Grading Method: Regular General Education: FSPW

Prerequisite: ENGL101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits.

Focus on accommodating technical material and empirical studies to lay audiences, and helping writers to achieve stylistic flexibility and correctness.

WB11	John Matthews **Meets May 31, 2016 - July 8, 2016** Class time/details on ELMs	Seats (Total: 19) ONLINE

ENGL409C **Study Abroad Special Topics IV; Shakespeare's Italian Plays**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ENGL409M **Study Abroad Special Topics IV; Literature, Art and Architecture in London**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ENGL409Y **Study Abroad Special Topics IV; Travel Writing**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ENGL429 **Independent Research in English**

(Perm req)

Credits: 1-6 Grading Method: Regular

An advanced independent research project for qualified students, supervised by an English faculty member, on a topic not ordinarily covered in available courses.

Contact department for information to register for this course.

ENGL433 **American Literature: 1914 to the Present, the Modern Period**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Two English courses in literature; or permission of ARHU-English department.

Modernism, Postmodernism. Writers such as Stevens, Stein, Ellison.

WB11	Katherine Stanutz	Seats (Total: 20)
	Meets May 31, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE
	Click here for more course information.	

ENGL452 **English Drama From 1660 to 1800**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Two English courses in literature; or permission of ARHU-English department.

Restoration and eighteenth-century drama, with special attention to theater history, cultural influences, concepts of tragedy, comedy, farce, parody, and burlesque, as well as dramatic and verbal wit.

Also offered as ENGL623.

HY11	Laura Rosenthal	Seats (Total: 20)
	Meets May 31, 2016 - July 8, 2016	
	Tu 1:00pm - 4:15pm	TWS 0221
	Th 1:00pm - 4:15pm	ONLINE
	Click here for more course information.	

ENGL623 **Readings in Eighteenth-Century English Literature**

Credits: 3 Grading Method: Regular, Audit

HY11	Laura Rosenthal	Seats (Total: 20)
	Meets May 31, 2016 - July 8, 2016	
	Tu 1:00pm - 4:15pm	TWS 0221
	Th 1:00pm - 4:15pm	ONLINE

ENGL679 **Professional and Career Mentoring for Master's Students**

Credits: 1-3 Grading Method: Sat-Fail

Augments advising currently provided by the English Department Graduate Studies Office. Individual professional and career mentoring for MA and MFA students from a faculty member.

0108	Ralph Bauer	Seats (Total: 5)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	
0266	Ralph Bauer	Seats (Total: 5)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	

ENGL699 **Independent Study**

(Perm req)

Credits: 1-3 Grading Method: Regular

Contact department for information to register for this course.

ENGL799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

ENGL879 **Professional Mentoring for Doctoral Students**

Credits: 1-3 Grading Method: Sat-Fail

Augments advising currently provided by the English Department Graduate Studies Office. Individual professional and career mentoring for PhD students from a faculty member.

Contact department for information to register for this course.

ENGL898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Pedagogical mentoring by roster faculty members for graduate students teaching 200-level literature courses.

0201	Instructor: TBA	Seats (Total: 1)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	

ENGL899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

ENMA Engineering, Materials Summer 2016

ENMA300 **Introduction to Materials Engineering**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENES100; and permission of ENGR-Materials Science & Engineering department. Corequisite: MATH241. Recommended: PHYS261 and PHYS260. Also offered as: ENME382. Credit only granted for: ENMA300 or ENME382.

Structure of materials, chemical composition, phase transformations, corrosion and mechanical properties of metals, ceramics, polymers and related materials. Materials selection in engineering applications.

WB21	Ratna Kolli	Seats (Total: 40)
	Meets July 11, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

ENMA499 **Senior Laboratory Project**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Students work with a faculty member on an individual laboratory project in one or more of the areas of engineering materials. Students will design and carry out experiments, interpret data and prepare a comprehensive laboratory report.

0101	Raymond Phaneuf	Seats (Total: 2)
	Meets May 31, 2016 - August 19, 2016	
	Contact instructor or department for details.	

ENMA698 **Special Problems in Materials Science and Engineering**

Credits: 1-3 Grading Method: Regular, Audit

Individual, supervised study in materials science and engineering.

Contact department for information to register for this course.

ENMA797 **Independent Study**

Credits: 3 Grading Method: Regular, Audit

This course is designed to provide students with a directed independent study course in order to prepare the scholarly paper required for the master's degree without thesis degree option.

0101	Raymond Phaneuf	Seats (Total: 2)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	

ENMA799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

ENMA898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

ENMA899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

ENME Engineering, Mechanical Summer 2016

ENME331 **Fluid Mechanics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENES232 and ENES221. Also offered as: BIOE331. Credit only granted for: BIOE331 or ENME331.

Principles of fluid mechanics. Mass, momentum and energy conservation. Hydrostatics. Control volume analysis. Internal and external flow. Boundary layers. Modern measurement techniques. Computer analysis. Laboratory experiments.

0102	Xinan Liu	Seats (Total: 49)
	Meets May 31, 2016 - July 8, 2016	
	MW 12:30pm - 4:00pm	PHY 1204

ENME332 **Transfer Processes**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENME331.

The principles of heat transfer. Conduction in solids. Convection. Radiation. Modern measurement techniques. Computer analysis.

0101	Amir Shooshtari, Michael Ohadi	Seats (Total: 25)
	Meets May 31, 2016 - July 8, 2016	
	TuTh 10:00am - 1:30pm	ITV 1111

ENME361 **Vibration, Controls and Optimization I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENES220, ENES221, and MATH246; and (ENME271 or MATH206). Restriction: Must be in Engineering: Mechanical program.

Fundamentals of vibration, controls and optimization. Analysis and design in time, Laplace and frequency domains. Mathematical description of system response, system stability, control and optimization. Optimal design of mechanical systems.

0101	Vipin Agarwal	Seats (Total: 30)
	Meets May 31, 2016 - July 8, 2016	
	TuTh 9:00am - 12:30pm	EGR 1108

ENME382 **Introduction to Materials Engineering**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENES100; and permission of ENGR-Mechanical Engineering department. Corequisite: MATH241. Recommended: PHYS261 and PHYS260. Also offered as: ENMA300. Credit only granted for: ENMA300 or ENME382.

Structure of materials, chemical composition, phase transformations, corrosion and mechanical properties of metals, ceramics, polymers and related materials. Materials selection in engineering applications.

WB21	Ratna Kolli	Seats (Total: 40)
	Meets July 11, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

ENME392 **Statistical Methods for Product and Processes Development**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH241.

Integrated statistical methodology for the improvement of products and processes in terms of performance, quality and cost. Designed experimentation. Statistical process control. Software application. Laboratory activities.

Students have the option to meet in JMP2121.

HY11	David Bigio	Seats (Total: 20)	
	Meets May 31, 2016 - July 8, 2016		
	MW 11:00am - 1:00pm	JMP 2121	
	Class time/details on ELMs	ONLINE	Discussion

ENME400 **Machine Design**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed or be concurrently enrolled in ENME361. Restriction: Permission of ENGR-Mechanical Engineering department.

Design of mechanical elements and planar machines. Failure theories. Design of pressure vessels, joints, rotating elements, and transmission elements. Kinematic structures, graphical, analytical, and numerical analysis and synthesis of linkages, gear trains, and flywheels are covered.

0101	Thomas Beigel	Seats (Total: 35)
	Meets May 31, 2016 - July 8, 2016	
	MW 4:00pm - 6:00pm	EGR 1108
	Tu 4:00pm - 6:45pm	EGR 1108
	Th 4:00pm - 6:00pm	EGR 1108

0201	Thomas Beigel	Seats (Total: 35)
	Meets July 11, 2016 - August 19, 2016	
	MW 4:00pm - 6:00pm	EGR 1108
	Tu 3:00pm - 5:45pm	EGR 1108
	Th 3:00pm - 5:00pm	EGR 1108

ENME414 **Computer-Aided Design**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH241; or students who have taken courses with comparable content may contact the department. Credit only granted for: ENME 414 or ENME272.

Introduction to computer graphics. Plotting and drawing with computer software. Principles of writing interactive software. The applications of computer graphics in computer-aided design. Computer-aided design project.

0301	Guangming Zhang	Seats (Total: 29)
	Meets May 31, 2016 - June 17, 2016	
	MTuWThF 8:00am - 11:00am	EGR 0312
0302	Guangming Zhang	Seats (Total: 42)
	Meets May 31, 2016 - June 17, 2016	
	MTuWThF 12:00pm - 3:00pm	KEB 2111

ENME445 **Design for Reliability**

Credits: 3 Grading Method: Regular, Pass-Fail

Restriction: Junior standing or higher.

Failure prevention, accident prevention, design requirements analysis, designing right the first time, high system reliability, software reliability, manufacturing defect prevention, life cycle costs reduction, design reviews, managing the design for reliability, design trustworthiness, product durability, and writing good specifications are covered.

WB31	Baldev Raheja	Seats (Total: 20)
	Meets May 31, 2016 - June 17, 2016	
	Class time/details on ELMs	ONLINE

ENME462 **Vibrations, Controls, and Optimization II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENME351 and ENME361.

Continuation of ENME 361. Fundamentals of vibration, controls, and optimization. Analysis and design in time, Laplace and frequency domains. Mathematical descriptions of system response, system stability, control and optimization. Optimal design of mechanical systems.

0101	Steven Mitchell	Seats (Total: 32)
	Meets May 31, 2016 - July 8, 2016	
	MTuWTh 8:00am - 10:00am	EGR 3106

ENME470 Finite Element Analysis

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Senior standing; and permission of ENGR-Mechanical Engineering department.

Basic concepts of the theory of the finite element method. Applications in solid mechanics and heat transfer.

Course will meet on KEB1200 for 07/14/15 and 07/21/15.

0201	Chandrasekhar Thamire	Seats (Total: 42)
	Meets July 11, 2016 - August 19, 2016	
	TuTh 12:00pm - 3:30pm	KEB 2111

ENME472 Integrated Product and Process Development

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: CS

Prerequisite: ENME371.

Integration of product development with the development process. Design strategies. Product architecture. Design for manufacturing. Selection of materials. Design for assembly.

0101	Vincent Nguyen	Seats (Total: 15)	
	Meets May 31, 2016 - August 19, 2016		
	W 9:00am - 12:00pm	CHE 2145	
	F 9:00am - 11:00am	EGL 0101	Discussion

ENME488 Special Problems

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Advanced problems in mechanical engineering with special emphasis on mathematical and experimental methods.

Contact department for information to register for this course.

ENME635 **Energy Systems Analysis**

Credits: 3

Grading Method: Regular, Audit

Rankine cycles with nonazeotropic working fluid mixtures, two-, multi- and variable-stage absorption cycles and vapor compression cycles with solution circuits. Power generation cycles with working fluid mixtures. Development of rules for finding all possible cycles suiting a given application or the selection of the best alternatives.

Contact department for information to register for this course.

ENME701 **Sustainable Energy Conversion and the Environment**

Credits: 3

Grading Method: Regular, Audit

Recommended: ENME633. Credit only granted for: ENME701, ENME706 or ENME808D. Formerly: ENME706 and ENME808D.

Discussion of the major sources and end-uses of energy in our society with particular emphasis on renewable energy production and utilization. Introduces a range innovative technologies and discusses them in the context of the current energy infrastructure. Renewable sources such as wind and solar are discussed in detail. Particular attention is paid to the environmental impact of the various forms of energy.

Contact department for information to register for this course.

ENME799 **Master's Thesis Research**

Credits: 1-6

Grading Method: Regular

Contact department for information to register for this course.

ENME808 **Advanced Topics in Mechanical Engineering**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Contact department for information to register for this course.

ENME898 **Pre-Candidacy Research**

Credits: 1-8

Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

ENME899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

ENNU Engineering, Nuclear Summer 2016

ENNU620 **Mathematical Techniques for Engineering Analysis and Modeling**

Credits: 3 Grading Method: Regular

Also offered as: ENRE620.

Probability and probability distributions; statistics; ordinary differential equations; linear algebra and vectors; Laplace transform; Fourier analysis; boundary value problems; series solutions to differential equations; partial differential equations; numerical methods.

0201	Mehdi Amiri Darehbidi **Meets July 11, 2016 - August 19, 2016** MW 5:15pm - 9:00pm	Seats (Total: 20) JMP 2222
ER02	Mehdi Amiri Darehbidi **Meets July 11, 2016 - August 19, 2016** Class time/details on ELMs	Seats (Total: 15) ONLINE
HT02	Mehdi Amiri Darehbidi **Meets July 11, 2016 - August 19, 2016** MW 5:15pm - 9:00pm	Seats (Total: 10) Location: TBA
NE02	Mehdi Amiri Darehbidi **Meets July 11, 2016 - August 19, 2016** Class time/details on ELMs	Seats (Total: 10) ONLINE
RE02	Mehdi Amiri Darehbidi **Meets July 11, 2016 - August 19, 2016** Class time/details on ELMs	Seats (Total: 5) ONLINE
SG02	Mehdi Amiri Darehbidi **Meets July 11, 2016 - August 19, 2016** MW 5:15pm - 9:00pm	Seats (Total: 10) Location: TBA

SM02	Mehdi Amiri Darehbidi **Meets July 11, 2016 - August 19, 2016** MW 5:15pm - 9:00pm	Seats (Total: 10) Location: TBA

ENNU899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

0102	Mohamad Al-Sheikhly **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 1)

ENPM Engineering, Professional Masters Summer 2016

ENPM626 **Waste to Energy Conversion**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENES232, ENME331, and ENME332.

Thermal, chemical, and biological processes for conversion of wastes (primarily solid and liquid) to reduce environmental impact and increase recovery of useful energy resources. Emphasis on solid wastes and their composition. Identification of pollution products and their control.

CP01	Patrick Caton **Meets May 31, 2016 - August 19, 2016** M 5:30pm - 9:15pm	Seats (Total: 20) JMP 2121
HT01	Patrick Caton **Meets May 31, 2016 - August 19, 2016** M 5:30pm - 9:15pm	Seats (Total: 5) Location: TBA
ME01	Patrick Caton **Meets May 31, 2016 - August 19, 2016** Class time/details on ELMs	Seats (Total: 20) ONLINE
SG01	Patrick Caton **Meets May 31, 2016 - August 19, 2016** M 5:30pm - 9:15pm	Seats (Total: 5) Location: TBA

SM01	Patrick Caton **Meets May 31, 2016 - August 19, 2016** M 5:30pm - 9:15pm	Seats (Total: 5) Location: TBA

ENPM652 **Applied Finite Element Methods**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must not have completed ENME674; and must not have completed ENAE652. Credit only granted for: ENME674, ENAE652, or ENPM652.

For engineering and science students with little or no previous knowledge of the FEM. Study of FEM, using straightforward mathematics. Students should understand basic concepts and equations of elasticity and thermal heat flow, be familiar with simple matrix algebra. Covers stress analysis and thermal analysis problems. ANSYS finite element code will be used for examples and homework solutions. Basic problem solving procedure will be developed for using finite element computer codes.

CP01	John Clayton **Meets May 31, 2016 - August 19, 2016** M 5:30pm - 9:15pm	Seats (Total: 25) JMP 2217
HT01	John Clayton **Meets May 31, 2016 - August 19, 2016** M 5:30pm - 9:15pm	Seats (Total: 5) Location: TBA
SG01	John Clayton **Meets May 31, 2016 - August 19, 2016** M 5:30pm - 9:15pm	Seats (Total: 5) Location: TBA
SM01	John Clayton **Meets May 31, 2016 - August 19, 2016** M 5:30pm - 9:15pm	Seats (Total: 5) Location: TBA

ENPM654 **Energy Systems Management**

Credits: 3 Grading Method: Regular, Audit

Recommended: Background in thermodynamics, fluid mechanics, and heat transfer is recommended.

Covers a wide range of energy management and energy efficiency topics including energy auditing, energy efficient lighting systems and motors, demand limiting and control, control strategies for optimization, direct digital control, integrated building automation systems, communication networks, distributed generation, cogeneration, combined heat and power, process energy management and the associated economic analyses. Included will be the latest internet based technologies for accessing real-time energy pricing and managing energy demand remotely for multiple buildings or campuses.

CP01	Brian Valentine **Meets May 31, 2016 - August 19, 2016** W 5:30pm - 8:45pm	Seats (Total: 20) JMP 2217
HT01	Brian Valentine **Meets May 31, 2016 - August 19, 2016** W 5:30pm - 8:45pm	Seats (Total: 5) Location: TBA
ME01	Brian Valentine **Meets May 31, 2016 - August 19, 2016** Class time/details on ELMs	Seats (Total: 20) ONLINE
SG01	Brian Valentine **Meets May 31, 2016 - August 19, 2016** W 5:30pm - 8:45pm	Seats (Total: 5) Location: TBA
SM01	Brian Valentine **Meets May 31, 2016 - August 19, 2016** W 5:30pm - 8:45pm	Seats (Total: 5) Location: TBA

ENPM676 **VLSI Testing and Design for Testability**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENEE244; or students who have taken courses with comparable content may contact the department.

An overview of VLSI test process and equipment, faults, fault modeling, fault simulation, combinational logi ATPG, sequential logic ATPG, Iddq testing, function testing, memory testing, delay testing, design for testability, BIST (Built-In Self-Test) and boundary scan.

CP01	Manoj Franklin **Meets May 31, 2016 - July 22, 2016** MW 6:00pm - 8:45pm	Seats (Total: 25) JMP 2216

HT01	Manoj Franklin **Meets May 31, 2016 - July 22, 2016** MW 6:00pm - 8:45pm	Seats (Total: 5) Location: TBA
SG01	Manoj Franklin **Meets May 31, 2016 - July 22, 2016** MW 6:00pm - 8:45pm	Seats (Total: 5) Location: TBA
SM01	Manoj Franklin **Meets May 31, 2016 - July 22, 2016** MW 6:00pm - 8:45pm	Seats (Total: 5) Location: TBA

ENPM685 **Security Tools for Information Security**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Familiarity with Linux and Windows operating systems, as well as TCP/IP and basic networking concepts. Credit only granted for: ENPM808D or ENPM685. Formerly: ENPM808D.

Students will perform host- and network-based security tasks relating to security, investigation, compliance verification and auditing using a wide selection of commonly used tools on both Windows and Linux platforms, with emphasis on open source tools.

CP01	Kevin Shivers **Meets May 31, 2016 - August 19, 2016** Th 5:30pm - 8:45pm	Seats (Total: 20) JMP 2217
CY01	Kevin Shivers **Meets May 31, 2016 - August 19, 2016** Class time/details on ELMs	Seats (Total: 20) ONLINE
HT01	Kevin Shivers **Meets May 31, 2016 - August 19, 2016** Th 5:30pm - 8:45pm	Seats (Total: 5) Location: TBA
SG01	Kevin Shivers **Meets May 31, 2016 - August 19, 2016** Th 5:30pm - 8:45pm	Seats (Total: 5) Location: TBA

SM01	Kevin Shivers **Meets May 31, 2016 - August 19, 2016** Th 5:30pm - 8:45pm	Seats (Total: 5) Location: TBA

ENPM687 **Digital Forensics and Incidence Responses**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENPM691; and intermediate Windows and Linux skills, familiarity with file system concepts; and permission of ENGR-CDL-Office of Advanced Engineering Education. Credit only granted for: ENPM808P or ENPM687. Formerly: ENPM808P.

Students will implement a robust incident response methodology, including proper forensic handling of evidence, and cover legal aspects of national and international law regarding forensics. The bulk of the course covers evidence acquisition, preservation, analysis and reporting on multiple platforms.

CP01	Seyed Bahari **Meets May 31, 2016 - August 19, 2016** Tu 5:30pm - 8:45pm	Seats (Total: 20) JMP 2217
CY01	Seyed Bahari **Meets May 31, 2016 - August 19, 2016** Class time/details on ELMs	Seats (Total: 20) ONLINE
HT01	Seyed Bahari **Meets May 31, 2016 - August 19, 2016** Tu 5:30pm - 8:45pm	Seats (Total: 5) Location: TBA
SG01	Seyed Bahari **Meets May 31, 2016 - August 19, 2016** Tu 5:30pm - 8:45pm	Seats (Total: 5) Location: TBA
SM01	Seyed Bahari **Meets May 31, 2016 - August 19, 2016** Tu 5:30pm - 8:45pm	Seats (Total: 5) Location: TBA

ENPM808 **Advanced Topics in Engineering**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Advanced topics selected by the faculty for students in the professiona master of engineering program. May be taken for repeated credit when identified by topic title.

CP01	George Syrmos **Meets May 31, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)

ENPM808G **Advanced Topics in Engineering; Fundamentals of Solid-Propellant Combustion**

Credits: 3 Grading Method: Regular, Audit

Advanced topics selected by the faculty for students in the professiona master of engineering program. May be taken for repeated credit when identified by topic title.

PE01	Forrest Svingala **Meets May 31, 2016 - August 19, 2016** Class time/details on ELMs	Seats (Total: 25) ONLINE

ENPM808Z **Advanced Topics in Engineering; Satellite Communications**

Credits: 3 Grading Method: Regular, Audit

Advanced topics selected by the faculty for students in the professiona master of engineering program. May be taken for repeated credit when identified by topic title.

CP01	Tahereh Fazel **Meets May 31, 2016 - July 22, 2016** TuTh 6:00pm - 8:40pm	Seats (Total: 25) JMP 2216
HT01	Tahereh Fazel **Meets May 31, 2016 - July 22, 2016** TuTh 6:00pm - 8:40pm	Seats (Total: 5) Location: TBA
SG01	Tahereh Fazel **Meets May 31, 2016 - July 22, 2016** TuTh 6:00pm - 8:40pm	Seats (Total: 5) Location: TBA
SM01	Tahereh Fazel **Meets May 31, 2016 - July 22, 2016** TuTh 6:00pm - 8:40pm	Seats (Total: 5) Location: TBA

ENRE Reliability Engineering Summer 2016

ENRE447 **Fundamentals of Reliability Engineering**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: ENRE445 or ENRE447. Formerly: ENRE445.

Topics covered include: fundamental understanding of how things fail, probabilistic models to represent failure phenomena, life-models for non-repairable items, reliability data collection and analysis, software reliability models, and human reliability models.

Contact department for information to register for this course.

ENRE489K **Special Topics in Reliability Engineering; Design for Reliability**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected topics of current importance in reliability engineering.

ER01	Baldev Raheja **Meets May 31, 2016 - June 17, 2016** MTuWThF 9:00am - 12:00pm	Seats (Total: 10) Location: TBA
RE01	Baldev Raheja **Meets May 31, 2016 - June 17, 2016** MTuWThF 9:00am - 12:00pm	Seats (Total: 10) Location: TBA

ENRE600 **Fundamentals of Failure Mechanisms**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: ENMA698M, ENNU648M, or ENRE600.

Physical, chemical, and thermal related failures are introduced through a basic understanding of degradation mechanisms such as diffusion, electromigration, defects and defect migration. The failure mechanisms in basic material types will be taught. Failure mechanisms observed in real devices will also be presented. Problems related to manufacturing, and achieving quality and reliability will be analyzed. Mechanical failures are emphasized from the point of view of complex fatigue theory. The mathematical and statistical basis for analysis is presented as well as Failure Mode and Failure Anaylsis.

Contact department for information to register for this course.

ENRE602 **Reliability Analysis**

Credits: 3

Grading Method: Regular, Audit

Principal methods of reliability analysis, including fault tree and reliability block diagrams; Failure Mode and Effects Analysis (FMEA); event tree construction and evaluation; reliability data collection and analysis; methods of modeling systems for reliability analysis. Focus on problems related to process industries, fossil-fueled power plant availability, and other systems of concern to engineers.

Contact department for information to register for this course.

ENRE620 **Mathematical Techniques of Reliability Engineering**

Credits: 3

Grading Method: Regular, Audit

Also offered as: ENNU620.

Basic probability and statistics. Application of selected mathematical techniques to the analysis and solution of reliability engineering problems. Applications of matrices, vectors, tensors, differential equations, integral transforms, and probability methods to a wide range of reliability related problems.

0201	Mehdi Amiri Darehbidi **Meets July 11, 2016 - August 19, 2016** MW 5:15pm - 9:00pm	Seats (Total: 20) JMP 2222
ER02	Mehdi Amiri Darehbidi **Meets July 11, 2016 - August 19, 2016** Class time/details on ELMs	Seats (Total: 15) ONLINE
HT02	Mehdi Amiri Darehbidi **Meets July 11, 2016 - August 19, 2016** MW 5:15pm - 9:00pm	Seats (Total: 10) Location: TBA
NE02	Mehdi Amiri Darehbidi **Meets July 11, 2016 - August 19, 2016** Class time/details on ELMs	Seats (Total: 10) ONLINE
RE02	Mehdi Amiri Darehbidi **Meets July 11, 2016 - August 19, 2016** Class time/details on ELMs	Seats (Total: 5) ONLINE
SG02	Mehdi Amiri Darehbidi **Meets July 11, 2016 - August 19, 2016** MW 5:15pm - 9:00pm	Seats (Total: 10) Location: TBA

SM02	Mehdi Amiri Darehbidi **Meets July 11, 2016 - August 19, 2016** MW 5:15pm - 9:00pm	Seats (Total: 10) Location: TBA

ENRE642 **Reliability Engineering Management**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Unifying systems perspective of reliability engineering management. Design, development and management of organizations and reliability programs including: management of systems evaluation and test protocols, development of risk management-mitigation processes, and management of functional tasks performed by reliability engineers.

ER01	Frederick Schenkelberg **Meets May 31, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 15)
RE01	Frederick Schenkelberg **Meets May 31, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)

ENRE648 **Special Problems in Reliability Engineering**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

For students who have definite plans for individual study of approved problems. Credit given according to extent of work.

Contact department for information to register for this course.

ENRE655 **Advanced Methods in Reliability Modeling**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENRE602. Credit only granted for: ENRE655 or ENRE665. Formerly: ENRE665.

Bayesian methods and applications, estimation of rare event frequencies uncertainty analysis and propagation methods, reliability analysis of dynamic systems, analysis of dependent failures, reliability of repairable systems, human reliability analysis methods and theory of logic diagrams and application to systems reliability.

Contact department for information to register for this course.

ENRE799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

ENRE898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

ENRE899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

ENSE Systems Engineering Summer 2016

ENSE699 **Directed Study in Systems Engineering**

(Perm req)

Credits: 1-3 Grading Method: Sat-Fail

Directed study in Systems Engineering.

Contact department for information to register for this course.

ENSE799 **Systems Engineering Thesis; Masters Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular

The application of systems engineering concepts, principles, and theories will be applied to the Master's Thesis project. Project/thesis work will be defined and selected early in student's program and supervised by a university faculty mentor.

Contact Systems Engineering Office, Rm. 2172 A. V. Williams Bldg. to make arrangements.

0101	Michael Ball **Meets May 31, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0102	John Baras **Meets May 31, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0103	Mark Austin **Meets May 31, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)

0104	Guangming Zhang **Meets May 31, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0106	Eyad Abed **Meets May 31, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0107	Ben Shneiderman **Meets May 31, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0112	Satyandra Gupta **Meets May 31, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0114	Michael Fu **Meets May 31, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0116	Jeffrey Herrmann **Meets May 31, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0117	Raymond Adomaitis **Meets May 31, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0119	Reza Ghodssi **Meets May 31, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0122	David Lovell **Meets May 31, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0123	Huan Xu **Meets May 31, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)

0124	Alireza Khaligh **Meets May 31, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0126	Pamela Abshire **Meets May 31, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0127	William Rand **Meets May 31, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0222	David Lovell **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0223	Huan Xu **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)

ENSP Environmental Science and Policy Summer 2016

ENSP101 **Introduction to Environmental Science**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: PS | General Education: DSNS

One of two required courses that introduce students to the topics studied and methods employed in environmental science and policy. Emphasis on scientific ways of knowing; the systems, cycles, flows, and interfaces that characterize the atmosphere, lithosphere, hydrosphere, and biosphere; the analysis of human impacts on these systems; and the nature of scientific uncertainty and methods of quantifying environmental processes.

0101	Annette Spivy **Meets May 31, 2016 - July 8, 2016** MTuWTh 10:00am - 11:45am	Seats (Total: 30) HBK 1108

ENSP386 **Internship**

Credits: 3-6 | Grading Method: Regular

Restriction: Must have internship proposal approved by the concentration advisor, the director of ENSP and the student's internship sponsor.

Contact department for information to register for this course.

ENSP399 **Special Topics in Environmental Science and Policy**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

A substantive and specialized examination of contemporary issues in environmental science or policy.

0131	Jennifer Murrow	Seats (Total: 5)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	
0231	Jennifer Murrow	Seats (Total: 5)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	

ENTM Entomology Summer 2016

ENTM699 **Advanced Entomology**

Credits: 1-6 Grading Method: Regular, Audit

Credit and prerequisites to be determined by the department. First and second semesters. Studies of minor problems in morphology, physiology, taxonomy and applied entomology, with particular reference to the preparation of the student for individual research.

Contact department for information to register for this course.

ENTM735 **Sustainability**

Credits: 3 Grading Method: Regular

Application of the concept of sustainability to both ecosystem services provided by beneficial insects, as well as the management of injurious insects. Ecological functions of insects in the natural and anthropogenic landscape will be illustrated and discussed. In addition, case histories and discussions will focus on themes of sustainability in successful IPM programs, as well as specific practices that lead to sustainable agriculture. The course will conclude with the development of a list of sustainable practices for conserving and managing insects in the landscape.

PLE1	William Lamp	Seats (Total: 10)
	Meets May 31, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE
	Restricted to students in the Professional Entomology Program.	

ENTM747 **Pollinator Health**

Credits: 3 Grading Method: Regular

Additional information: This will be an online graduate course for The Master of Professional Studies in Applied Entomology.

Students will be given an overview of the importance of insect pollinators and threats to their populations. Emphasis will be placed on managed pollinators, particularly but not exclusively honey bees, where disease mitigation plans will be highlighted.

PLE1	Alana Pindar	Seats (Total: 10)
	Meets May 31, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE
	Restricted to students in the Professional Entomology Program.	

ENTM789 Field Experience in Pest Management

Credits: 1-6 Grading Method: Regular, Audit

Involvement in practical problems of pest management in field situations. The student will be assigned to a problem area for intensive experience, usually during the summer. A final written report is required for each assignment.

Contact department for information to register for this course.

ENTM799 Master's Thesis Research

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

ENTM899 Doctoral Dissertation Research

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

ENTS Telecommunications Summer 2016

ENTS689E Special Topics in Telecommunications; Embedded Systems

Credits: 3 Grading Method: Regular, Audit

Selected topics of current importance in telecommunications.

0101	George Zaki	Seats (Total: 20)
	Meets May 31, 2016 - July 21, 2016	
	MTh 5:00pm - 7:50pm	JMP 3201

ENTS699 **Independent Study in Telecommunications**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Individual instruction course. See ENTS program office for section number.

Contact department for information to register for this course.

ENTS699R **Independent Study in Telecommunications; Analytical Foundations of Telecommunications**

(Perm req)

Credits: 1 Grading Method: Regular, Audit

Individual instruction course. See ENTS program office for section number.

0101	Alejandra Mercado	Seats (Total: 20)	
	Meets May 31, 2016 - July 8, 2016		
	F 5:30pm - 7:35pm	KEB 1200	

ENTS759C **Advanced Topics in Communications; Optimization, Drivetesting, and Analysis of Modern Cellular Networks**

Credits: 3 Grading Method: Regular, Audit

Selected advanced topics in communications.

0101	Michael Dellomo	Seats (Total: 15)	
	Meets May 31, 2016 - July 8, 2016		
	TuTh 5:30pm - 8:15pm	AVW 1458	
	W 3:00pm - 8:00pm	AVW 1458	Lab

EPIB Epidemiology and Biostatistics Summer 2016

EPIB300 **Biostatistics for Public Health Practice**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in CHEM131 and CHEM132. Restriction: Must be in Public Health Science program. Also offered as: HLTH300. Credit only granted for: EPIB300 or HLTH300.

An examination of biostatistical concepts and procedures as they relate to contemporary issues in public health. Focus on applications, hands-on-experience, and interpretations of statistical findings in public health research.

0201	Raul Cruz-Cano **Meets July 11, 2016 - August 19, 2016** MW 2:00pm - 5:15pm	Seats (Total: 30) SPH 0303

EPIB399 **Epidemiology and Biostatistics Independent Study**

Credits: 1-3 Grading Method: Regular

The EPIB undergraduate independent study is an opportunity for undergraduates from other departments in the SPH or the university to work with an Epidemiology and Biostatistics faculty member on research or special projects that are based out of EPIB.

0103	Sunmin Lee **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0104	Mei-Ling Lee **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0105	Hongjie Liu **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0106	Shuo Chen **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0107	Olivia Carter-Pokras **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0108	Robert Gold **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0109	Brit Saksvig **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0110	Cher Dallal **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)

0111	Xin He **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0112	David Chae **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0113	Typhanye Dyer **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0114	Natalie Slopen **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0115	Jing Zhang **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0116	Paul Turner **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0117	Amir Sapkota **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0118	Amy Sapkota **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0119	Donald Milton **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0120	Robin Puett **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)

0121	Sacoby Wilson **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0122	Robert Gold **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0203	Sunmin Lee **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0204	Mei-Ling Lee **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0205	Hongjie Liu **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0206	Shuo Chen **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0207	Olivia Carter-Pokras **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0208	Robert Gold **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0209	Brit Saksvig **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0210	Cher Dallal **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)

0211	Xin He **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0212	David Chae **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0213	Typhanye Dyer **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0214	Natalie Slopen **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0215	Jing Zhang **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0216	Paul Turner **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0217	Amir Sapkota **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0218	Amy Sapkota **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0219	Donald Milton **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0220	Robin Puett **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)

0221	Sacoby Wilson **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0222	Robert Gold **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)

EPIB610 **Foundations of Epidemiology**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: EPIB300; or equivalent undergraduate statistics or biostatistics course with a grade of C- or higher; or a score of 70% or higher on EPIB300 placement exam. Credit only granted for: EPIB610 or HLTH720. Formerly: HLTH720.

Introduction to the discipline of epidemiology and its applications to health issues and practices. Basic epidemiologic concepts and methods will be covered.

PLH1	Olivia Carter-Pokras **Meets May 31, 2016 - July 8, 2016** Class time/details on ELMs *Restricted to students in the Master of Public Health Practice and Policy and Gradute Certificate in Principles of Public Health programs.*	Seats (Total: 20) ONLINE
WB11	Olivia Carter-Pokras **Meets May 31, 2016 - July 8, 2016** Class time/details on ELMs	Seats (Total: 20) ONLINE

EPIB650 **Biostatistics I**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: EPIB300; or equivalent undergraduate statistics or biostatistics course with a grade of C- or higher; or a score of 70% or higher on EPIB placement exam. Credit only granted for: EPIB650, HLTH651, or HLTH688B. Formerly: HLTH651 and HLTH688B.

Basic statistical concepts and procedures for Public Health. Focuses on applications, hands-on-experience, and interpretations of statistical findings.

PLH1	Xin He	Seats (Total: 20)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	
	Restricted to students in the Master of Public Health Practice and Policy and Graduate Certificate in Principles of Public Health programs.	
WB21	Xin He	Seats (Total: 20)
	Meets July 11, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

EPIB663 **SAS Programming**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: EPIP698E or EPIB663. Formerly: EPIB698E.

Learn how to analyze and summarize data using SAS. The course begins by introducing the students to basic SAS programming and data manipulation techniques. More advanced themes, such as preliminary data analysis and graphs, are explored later in the semester. Finally, the class covers the implementation of several advanced statistical concepts in SAS, including T-tests, ANOVA, non-parametric tests, regression and normality tests.

0201	Raul Cruz-Cano	Seats (Total: 15)
	Meets July 11, 2016 - August 19, 2016	
	TuTh 4:00pm - 7:20pm	SPH 0227

EPIB785 **Internship in Public Health**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of SPHL-Epidemiology & Biostatistics department.

Internship and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.

I109	Graciela Jaschek	Seats (Total: 5)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	

I209	Graciela Jaschek	Seats (Total: 5)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	

EPIB786 **Capstone Project in Public Health**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of SPHL-Epidemiology & Biostatistics department.

Capstone experience providing opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

Contact department for information to register for this course.

EPIB798 **Independent Study**

(Perm req)

Credits: 1-6 Grading Method: Regular, Audit

Master or doctoral students who desire to pursue special research problems under the direction of a faculty memeber of the department may register for 1-6 hours of credit under this number.

Contact department for information to register for this course.

EPIB799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

EPIB898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-3 Grading Method: Regular

Contact department for information to register for this course.

EPIB899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

EXST Office of Extended Studies Summer 2016

EXST001 **Residential Package**

Credits: 0 Grading Method:

Contact department for information to register for this course.

EXST002 **Commuter Package**

Credits: 0 Grading Method:

Contact department for information to register for this course.

EXST003 **International Residential Package**

Credits: 0 Grading Method:

Contact department for information to register for this course.

EXST010 **Hear Me Out! An Introduction to Public Speaking and Debate**

(Perm req)

Credits: 0 Grading Method:

YD41	Thomas McCloskey	Seats (Total: 25)
	Meets July 18, 2016 - July 29, 2016	
	MTuWThF 9:00am - 12:30pm	EDU 2102
	This is part of Terp Discovery. Enrollment by permission only.	

EXST011 **Designing Your Own Business**

(Perm req)

Credits: 0 Grading Method:

YD41	Akbar Dawood	Seats (Total: 20)
	Meets July 18, 2016 - July 29, 2016	
	MTuWThF 9:00am - 12:30pm	TWS 0207
	This is part of Terp Discovery. Enrollment by permission only.	

EXST014 **Exploring Architecture**

(Perm req)

Credits: 0 Grading Method:

YD41	Jason Winters	Seats (Total: 20)
	Meets July 18, 2016 - July 29, 2016	
	MTuWThF 9:00am - 12:30pm	ARC 1127
	This is part of Terp Discovery. Enrollment by permission only.	

EXST016 **Science Detectives: An Introduction to Forensic Science**

(Perm req)

Credits: 0 Grading Method:

YD41	Kenneth Sossa	Seats (Total: 20)
	Meets July 18, 2016 - July 29, 2016	
	MTuWThF 9:00am - 12:30pm	HJP 1229
	This is part of Terp Discovery. Enrollment by permission only.	

EXST017 **Animal Biology**

(Perm req)

Credits: 0 Grading Method:

YD41	Daniel Keil	Seats (Total: 20)
	Meets July 18, 2016 - July 29, 2016	
	MTuWThF 9:00am - 12:30pm	HJP 1236
	This is part of Terp Discovery. Enrollment by permission only.	

EXST020 **Modern Medicine**

Credits: 0 Grading Method:

YD41	Jonathan Schenk	Seats (Total: 20)
	Meets July 18, 2016 - July 29, 2016	
	MTuWThF 9:00am - 12:30pm	Location: TBA
	This is part of Terp Discovery. Enrollment by permission only.	

EXST075 **Special Topic Seminar and Workshop**

Credits: 0 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

EXST076 **Introduction to the Program**

Credits: 0 Grading Method:

Contact department for information to register for this course.

EXST210 **Pedagogy and Second Language Acquisition**

Credits: 0 Grading Method:

Contact department for information to register for this course.

FILM Film Studies Summer 2016

FILM245 **Film Form and Culture**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HA | General Education: DSHU

Restriction: Must not have completed ENGL245. Also offered as: ENGL245. Credit only granted for: CMLT214, CMLT245, ENGL245, or FILM245. Formerly: CMLT214.

Introduction to film as art form and how films create meaning. Basic film terminology; fundamental principles of film form, film narrative, and film history. Examination of film technique and style over past one hundred years. Social and economic functions of film within broader institutional, economic, and cultural contexts.

WB21	Paul Cote	Seats (Total: 25)
	Meets July 11, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

FILM329M **Special Topics in National/International Cinemas; Global Cinema Censorship from the Cold War to the Digital Age**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Examine one or more national cinematic traditions (including Hollywood cinema), or may look across traditions comparatively, for example at international and/or transnational phenomena. Content varies.

Also offered as SLLC 368M. Credit granted for SLLC 368M or FILM 329M. This course will consider the global censorship of features films and other moving images (including animations, online videos, and art gallery projections) since 1945 to the present day. These films and moving images, censored, challenged, or banned on political, social, sexual, religious grounds, and for violent contents, will provide fascinating material to consider the relationship culture and politics, morality, and ideology.

WB11	Jason Kuo	Seats (Total: 30)
	Meets May 31, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE

FILM359G **Special Topics in Genres/Auteurs/Cinema Movements; The Road Movie**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Examine narrative cinema from the perspective of content (themes, issues, structures) and style through the lens of genre, auteurship (a concept of authorship in film studies), and/or historical aesthetic movements that have been influential in the development of cinema as an art and film studies as a field. Content varies.

Also offered as SLLC 368G. Credit granted for SLLC 368G or FILM359G. The road movie, defined by W. Everett as "a fluid and open-ended genre which uses the narrative trajectory of road as an extended metaphor of quest and discovery through which to approach fundamental concepts of reality, should enlighten us about important modern and contemporary issues such as self-discovery, displacement, exile, border-crossing, and the interfaces between the national and supra-national identities. We will screen films from Argentina, Australia, Bhutan, Brazil, Canada, China, Czech Republic, France, Germany, India, Iran, Italy, Japan, Korea, Mexico, Poland, Russia, UK, US, and other countries, as well as several transnational co-productions We will study some of the most well-known road movies in conjunction with critical readings.

WB21	Jason Kuo	Seats (Total: 30)
	Meets July 11, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

FMSC Family Science Summer 2016

FMSC111 **Credit Cards and College Students**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Recommended: Moderate level of computer literacy, especially Internet and ELMS. Reliable computer and Internet access. Credit only granted for: FMSC111, FMSC341 or FMSC498D. Formerly: FMSC498D.

Provides college students with factual information about basic money management skills, emphasizing the responsible use of credit, specifically credit cards. Topics will include financial goals, spending plan, wise use of credit, debt management, consumer credit protection, and ID Theft. Online lessons will include video clips and interactive class activities. Students will learn the basics to build a strong financial future.

WB31	Jinhee Kim	Seats (Total: 40)
	Meets May 31, 2016 - June 17, 2016	
	Class time/details on ELMs	ONLINE

FMSC260 **Couple Relationships**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHS

Credit only granted for: FMSC260 or FMST260. Formerly: FMST260.

Couple relationships and their alternatives in contemporary dating, courtship and marriage.

WB21	Elise Resnick	Seats (Total: 40)
	Meets July 11, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

FMSC280 **Global, Child & Family Health: Getting There Via E-Communications**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, SCIS

Credit only granted for: FMSC280 or FMSC289G. Formerly: FMSC289G.

Students will learn about global maternal, child and family health issues and how these issues may affect their lives. Interdisciplinary teams of students will collaborate to develop programs aimed at improving global family health through the use of information and communications technologies.

WB41	Jacqueline Wallen	Seats (Total: 45)
	Meets July 11, 2016 - July 29, 2016	
	Class time/details on ELMs	ONLINE

FMSC310 **Maternal, Child and Family Health**

Credits: 3 | Grading Method: Regular, Pass-Fail

Credit only granted for: FMSC310, FMSC410 or FMSC498A. Formerly: FMSC498A and FMSC410. Additional information: A comprehensive understanding of maternal, child, and family health, with additional emphasis on environmental health, needs assessment and evaluation, enabling students to more effectively address issues in the workplace.

Overview of the major issues in Maternal, Child, and Family Health in the U.S. and the world. The course will cover the social, political, environmental, and economic factors that shape the health of women, children, and families throughout the life course. It will employ the core disciplines of public health -- 1) epidemiology/biostatistics, 2) environmental health, 3) health policy and administration, and 4) social and behavioral health -- to examine these factors. The course introduces specific issues and interventions and places these issues and interventions within their broad sociohistorical context.

WB41	Diana Cassar-Uhl	Seats (Total: 35)
	Meets July 11, 2016 - July 29, 2016	
	Class time/details on ELMs	ONLINE

FMSC332 **Children in Families**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS

Prerequisite: PSYC100 or FMSC105. Credit only granted for: FMSC332 or FMST332. Formerly: FMST332.

A family life education approach to the study of children and families. Emphasis on the interaction of children with parents, siblings, extended kin, and the community.

WB11	Christine Schull **Meets May 31, 2016 - July 8, 2016** Class time/details on ELMs	Seats (Total: 40) ONLINE
WB21	Lauren Messina **Meets July 11, 2016 - August 19, 2016** Class time/details on ELMs	Seats (Total: 40) ONLINE

FMSC341 **Personal and Family Finance**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Credit only granted for: FMSC341 or FMST341. Formerly: FMST341.

Individual and family financial strategies with emphasis on financial planning, savings, investments, insurance, income taxes, housing, and use of credit. Planning, analyzing, and controlling financial resources to resolve personal/family financial problems and to attain financial security.

WB11	William Knight **Meets May 31, 2016 - July 8, 2016** Class time/details on ELMs	Seats (Total: 30) ONLINE
WB22	William Knight **Meets July 11, 2016 - August 19, 2016** Class time/details on ELMs	Seats (Total: 33) ONLINE

FMSC381 **Poverty, Affluence, and Families**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit , D | General Education: DSHS, DVUP

Prerequisite: SOCY100 or SOCY105. Restriction: Must be in a major within SPHL-Family Science department. Credit only granted for: FMSC381 or FMST381. Formerly: FMST381.

Social, political, cultural and economic factors influencing income and wealth in American families.

WB21	Kevin Roy	Seats (Total: 40)
	Meets July 11, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

FMSC383 **Delivery of Human Services to Families**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: FMSC330. Restriction: Must be in a major within SPHL-Family Science department. Credit only granted for: FMSC383 or FMST383. Formerly: FMST383.

Processes of service delivery with special emphasis upon relationships among managers, service providers and clients. The impact of human service systems on families.

WB41	Amanda Berger	Seats (Total: 40)
	Meets July 11, 2016 - July 29, 2016	
	Class time/details on ELMs	ONLINE

FMSC386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Prerequisite: Permission of SPHL-Family Science department. Restriction: Junior standing or higher. Credit only granted for: FMSC386 or FMST386. Formerly: FMST386.

Contact department for information to register for this course.

FMSC399 **Independent Study**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

Individualized family and community studies projects of interest to student and faculty.

Contact department for information to register for this course.

FMSC425 **Military and Veteran Family Services**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Recommended: Moderate level of computer literacy, especially Internet and ELMS. Reliable computer and Internet access. Credit only granted for: FMSC425 or FMSC498W. Formerly: FMSC498W.

Overview of issues impacting contemporary military families including during times of war. Identification of challenges faced by military families related to deployment/reunion and mental and physical health, as well as support systems available. Examination of skills and strategies for working with service members, veterans, and military families.

WB41	Patricia Fanflik	Seats (Total: 45)
	Meets July 11, 2016 - July 29, 2016	
	Class time/details on ELMs	ONLINE

FMSC445 **Sexuality: Issues in Family Therapy and Service Delivery**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: A basic course in human sexuality; and permission of instructor. Also offered as: FMSC645. Credit only granted for: FMSC445 or FMSC498T. Formerly: FMSC498T.

Typical, dysfunctional, and pathological sexual functioning, including effects on individuals, couples, and family systems. Sensitizes students to sexual issues, explores how perceptions of such issues affect work with people, and emphasizes implications for marriage and family therapy.

0101	Norman Epstein	Seats (Total: 20)
	Meets May 31, 2016 - July 8, 2016	
	TuTh 9:30am - 12:50pm	Location: TBA

FMSC460 **Violence in Families**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHS, DVUP

Prerequisite: SOCY100, SOCY105, or PSYC100. Credit only granted for: FMSC460 or FMST460. Formerly: FMST460.

Theories of child, spouse, and elder abuse in the family setting. Emphasis on historical, psychological, sociological and legal trends relating to physical, emotional, and sexual abuse. Introduction to methods for prevention and remediation.

WB31	Christine Schull	Seats (Total: 45)
	Meets May 31, 2016 - June 17, 2016	
	Class time/details on ELMs	ONLINE

FMSC477 **Internship and Analysis in Family Science**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: FMSC383; and 9 credits in FMSC courses; and permission of SPHL-Family Science department. Restriction: Must be in a major within SPHL-Family Science department. Credit only granted for: FMSC477, FMST347, or FMST477. Formerly: FMST477.

A supervised internship and a seminar requiring analysis. Opportunities to integrate theory and practice including 120 hours of contracted field experience. Summer or fall internship contracts due May 1; Spring contracts due December 1. See department for application procedures.

A planned, supervised internship complemented by analysis. Opportunities to integrate theory and practice. Field experience requires minimum of 120 hours per semester.

0101	Zainab Okolo	Seats (Total: 45)
	Meets May 31, 2016 - August 19, 2016	
	W 9:30am - 11:00am Contact instructor or department for details.	SPH 0308

FMSC487 **Legal Aspects of Family Problems**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: FMSC487 or FMST487. Formerly: FMST487.

Laws and legal procedures, with emphasis on adoption, marriage, divorce, annulment, and property rights, and how they affect family life.

WB31	Kerry Tripp	Seats (Total: 40)
	Meets May 31, 2016 - June 17, 2016	
	Class time/details on ELMs	ONLINE
WB51	Kerry Tripp	Seats (Total: 40)
	Meets June 20, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE
	To register for this course after June 6, 2016, e-mail summer@umd.edu.	

FMSC498 **Special Topics: Family Science**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Special course topics in family studies.

Individual family studies instruction course on topics of interest to student and faculty.

Contact department for information to register for this course.

FMSC645 **Sexuality: Issues in Family Therapy and Service Delivery**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Must have completed a basic course in human sexuality. Restriction: Permission of instructor. Credit only granted for: FMSC645 or FMST645. Formerly: FMST645.

Typical, dysfunctional, and pathological sexual functioning: effects on individuals, couples, and family systems. Sensitizes students to sexual issues, explores how perceptions or such issues affect work with people, and emphasizes implications for marriage and family therapy.

0101	Norman Epstein **Meets May 31, 2016 - July 8, 2016** TuTh 9:30am - 12:50pm	Seats (Total: 20) Location: TBA

FMSC654 **Clinical Marriage and Family Therapy Practice**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: FMSC651. Restriction: Must be in Couple and Family Therapy (Master's) program. Credit only granted for: FMSC654 or FMST654. Formerly: FMST654.

Application of theory and technique to the clinical practice of marriag and family therapy. Emphasis on case management and clinic administration. Includes completion of 12 successive months and 500 hours of supervised, direct client contact with couples, families, and individuals from an integrative family systems perspective.

Prerequisite: Permission of Instructor.

0101	Carol Werlinich **Meets May 31, 2016 - July 8, 2016** M 8:00am - 4:30pm	Seats (Total: 15) Location: TBA
0201	Carol Werlinich **Meets July 11, 2016 - August 19, 2016** M 8:00am - 4:30pm	Seats (Total: 15) Location: TBA

FMSC658 **Supervised Clinical Practice of Marriage and Family Therapy**

(Perm req)

Credits: 1-2 Grading Method: Regular, Audit

The supervision of marriage and family therapy client contact. Various family systems models of supervision applied via extant methods, including live, videotaped, and audiotaped.

Prerequisite: FMSC650 and Permission of Instructor.

0101	Carol Werlinich **Meets May 31, 2016 - July 8, 2016** W 9:00am - 12:00pm Contact instructor or department for details.	Seats (Total: 15) Location: TBA
0201	Carol Werlinich **Meets July 11, 2016 - August 19, 2016** W 9:00am - 12:00pm Contact instructor or department for details.	Seats (Total: 15) Location: TBA

FMSC689 **Research Internship**

(Perm req)

Credits: 3 Grading Method: Regular

Research experience resulting in a scholarly article suitable for publication in a peer-reviewed journal.

Internship related to student's chosen specialization.

Contact department for information to register for this course.

FMSC698 **Advanced Topics in Family Science**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Arranged group study on specific topic which may vary from term to term.

Contact department for information to register for this course.

FMSC698V **Advanced Topics in Family Science; Violence in Families**

Credits: 3 Grading Method: Regular, Audit

Arranged group study on specific topic which may vary from term to term.

WB31	Christine Schull **Meets May 31, 2016 - June 17, 2016** Class time/details on ELMs	Seats (Total: 45) ONLINE

FMSC699 **Independent Study**

Credits: 1-6 Grading Method: Regular, Audit

Contact department for information to register for this course.

FMSC789 **Non-Thesis Research**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Non-thesis option research papers.

Contact department for information to register for this course.

FMSC799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

FMSC899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

FREN French Summer 2016

FREN103 **Intensive Elementary French**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed FREN102; and must not be a native/fluent speaker of French. Credit only granted for: FREN102 or FREN103.

Covers speaking, reading, writing, listening, and culture of French-speaking world.

WB11	Alex Joensen	Seats (Total: 15)
	Meets May 31, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE
	This online section will be partially synchronous. Meeting times will be discussed the first day of class.	

FREN203 **Intensive Intermediate French**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit CORE: HO

Prerequisite: FREN103; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a native/fluent speaker of French. Credit only granted for: FREN201 or FREN203.

Covers speaking, reading, writing, listening, and culture of French-speaking world.

WB11	Jillian Bruns **Meets May 31, 2016 - July 8, 2016** Class time/details on ELMs	Seats (Total: 15) ONLINE
WB21	Cae Joseph-Massena **Meets July 11, 2016 - August 19, 2016** Class time/details on ELMs	Seats (Total: 21) ONLINE

FREN204 **French Grammar and Composition**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO

Prerequisite: FREN201 or FREN203; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Not open to native/fluent speakers of French.

Intensive study of French grammar and composition.

WB11	Daniel Bowman **Meets May 31, 2016 - July 8, 2016** Class time/details on ELMs	Seats (Total: 15) ONLINE

FREN211 **French Reading and Conversation**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO

Prerequisite: FREN201 or FREN203. Restriction: Must not be a native/fluent speaker of French.

Practice in spoken French at intermediate level based on readings in a variety of genres. Written homework and exams.

Contact department for information to register for this course.

FREN250 **Introduction to Cultural and Textual Analysis**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HL | General Education: DSHU

Prerequisite: FREN204; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a native/fluent speaker of French. Credit only granted for: FREN250 or FREN250H.

Introduction to cultural and textual analysis of selected readings from various genres in French literature. Taught in French.

WB11	Morgan McMahon	Seats (Total: 15)
	Meets May 31, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE

FREN269A **Special Topics in Study Abroad II; French Songs**

Credits: 1

Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

FREN269F **Special Topics in Study Abroad II; French Conversation I**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

FREN269G **Special Topics in Study Abroad II; French Conversation**

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

FREN301 **Composition and Style**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: FREN250; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a native/fluent speaker of French.

Grammatical analysis, elements of style; range of written genres.

WB21	Catherine Favier-Kelly	Seats (Total: 15)
	Meets July 11, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

FREN311 **Advanced Oral Expression**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: FREN250; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a native/fluent speaker of French.

Linguistic and thematic analysis of written, audio, and visual texts. Focus on aural and oral skills. Some written assignments and evaluation.

Contact department for information to register for this course.

FREN312 **France Today**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: FREN301; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a native/fluent speaker of French.

Analysis and discussion of current events and institutions using variou French media resources.

Contact department for information to register for this course.

FREN369F **Special Topics in Study Abroad III; Third-Year French I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

FREN369G **Special Topics in Study Abroad III; Third-Year French II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

FREN369I **Special Topics in Study Abroad III; Third-Year French I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

FREN369Y **Special Topics in Study Abroad III; Fourth-Year French I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

FREN399X **Directed Study in French; French Language and Culture on the Mediterranean**

Credits: 3 Grading Method: Regular

Advanced undergraduates develop syllabus, reading list, and course requirements with interested faculty member. Designed for in-depth study of material not offered in regular courses or as expansion of course material. To be planned during semester preceding registration.

Contact department for information to register for this course.

FREN401 **Writing with Style**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: FREN301; or permission of ARHU-School of Languages, Literatures, and Cultures department.

Advanced composition and stylistic analysis.

Contact department for information to register for this course.

FREN898 **Pre-Candidacy Research**

Credits: 2 Grading Method: Regular, Sat-Fail

0101	Andrea Frisch **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0201	Andrea Frisch **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)

FREN899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

0265	Valerie Orlando **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)

GEOG Geographical Sciences Summer 2016

GEOG110 **The World Today: Global Perspectives**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	General Education: DSHS, DVUP

The most critical issue facing the world today is the sustainability of both human and physical systems in the 21st century. This class uses the context of regions of the world to explore the 21st century issues of climate change, development, politics, economy, and demography. Each region will be used to highlight aspects of sustainability.

WB11	Vanessa Kirn **Meets May 31, 2016 - July 8, 2016** Class time/details on ELMs	Seats (Total: 40) ONLINE
WB21	Byron Marroquin **Meets July 11, 2016 - August 19, 2016** Class time/details on ELMs	Seats (Total: 35) ONLINE

GEOG130 **Developing Countries**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: SB, D	General Education: DSHS, DSSP

An introduction to the geographic characteristics of the development problems and prospects of developing countries. Spatial distribution of poverty, employment, migration and urban growth, agricultural productivity, rural development, policies and international trade. Portraits of selected developing countries.

0301	Ronald Luna **Meets May 31, 2016 - June 17, 2016** MTuWTh 9:00am - 12:30pm	Seats (Total: 24) LEF 1171

GEOG140 **Natural Disasters: Earthquakes, Floods, and Fires**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: PS	General Education: DSNS, SCIS

Catastrophic Environmental Events (CCE) that are becoming more common i this time of global environmental change and it is essential that today's students be equipped with the knowledge and skills to be leaders as we, as a society, understand the upheaval that these CCEs are causing. Students will examine how CEEs shape human society and ecosystem from the interdisciplinary perspective afforded by the field of Geography. Students will use the latest geographic science concepts and techniques in exploring these events. Using satellite imagery they will gain a multi-scale perspective of the ecological and societal aspects of the events.

0101	Keith Yearwood **Meets May 31, 2016 - July 8, 2016** MW 1:00pm - 4:30pm	Seats (Total: 25) ASY 3203
0201	Quentin Stubbs **Meets July 11, 2016 - August 19, 2016** MW 1:00pm - 4:30pm	Seats (Total: 20) LEF 1220

GEOG158G **Special Topics in Study Abroad I; The Geography of Grenada**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

GEOG202 **Introduction to Human Geography**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: SB General Education: DSHS, DVCC

Introduction to what geographers do and how they do it. Systematic stud of issues regarding social and cultural systems from a global to a local scale. Looks at the distribution of these variables and answers the question "Why here, and not there"?

WB11	Jennifer Hinojosa **Meets May 31, 2016 - July 8, 2016** Class time/details on ELMs	Seats (Total: 55) ONLINE
WB21	Joy Adams **Meets July 11, 2016 - August 19, 2016** Class time/details on ELMs	Seats (Total: 40) ONLINE

GEOG212 **Career Planning for Geographical Sciences, GIS, and ENSP Majors**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in one of the following programs (Geography; GEOG-GIS & Computer Cartography).

Increase student knowledge of professional development opportunities in Geographical Sciences through classroom activities and invited speakers, and to build awareness of career development tools and strategies.

WB21	Amanda Hall **Meets July 11, 2016 - August 19, 2016** Class time/details on ELMs	Seats (Total: 50) ONLINE	 Lab

GEOG306 **Introduction to Quantitative Methods for the Geographic Environmental Sciences**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: FSAR

Credit only granted for: BIOM301, BMGT230, CCJS200, ECON230, ECON321, EDMS451, GEOG306, GEOL351, GVPT422, PSYC200 or SOCY201.

Essentials in the quantitative analysis of spatial and other data, with a particular emphasis on statistics and programming. Topics include data display, data description and summary, statistical inference and significance tests, analysis of variance, correlation, regression, and some advanced concepts, such as matrix methods, principal component analysis, and spatial statistics. Students will develop expertise in data analysis using advanced statistical software.

This course has a $40 lab fee.

WB11	Naijun Zhou **Meets May 31, 2016 - July 8, 2016** MW 6:00pm - 9:45pm	Seats (Total: 40) ONLINE
WB21	Amanda Hall **Meets July 11, 2016 - August 19, 2016** MW 6:00pm - 9:45pm	Seats (Total: 40) ONLINE

GEOG312 **The United States and Canada**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: GEOG312 or GEOG320. Formerly: GEOG320.

The two countries as functioning geographic systems with important differences and key linkages. An examination of the cultural, environmental, and economic components and their spatial variation. Attention to the role of regions in national economies.

WB11	Joy Adams **Meets May 31, 2016 - July 8, 2016** Class time/details on ELMs	Seats (Total: 35) ONLINE	

GEOG328M **Topics in Regional Geography; Geography of the Southern Caribbean**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Selected topics in regional geography.

Contact department for information to register for this course.

GEOG328P **Topics in Regional Geography; The Geography of Puerto Rico**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Selected topics in regional geography.

Contact department for information to register for this course.

GEOG330 **As the World Turns: Society and Sustainability in a Time of Great Change**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

General Education: DSHS, DVUP, SCIS

Credit only granted for: GEOG330, GEOG360, or GEOG362. Formerly: GEOG362.

Cultural geography course on society and sustainability. Culture is the basic building block that is key to sustainability of societies. Course will cover sustainability of societies on different scales, examining local, regional, and worldwide issues. Sustainability will be examined as a key element of environmental sustainability. How societies adjust to rapid world change will be examined as a positive and/or negative factor in sustainability.

WB41	Rachel Berndtson **Meets July 11, 2016 - July 29, 2016** Class time/details on ELMs	Seats (Total: 25) ONLINE
WB51	Rachel Berndtson **Meets June 20, 2016 - July 8, 2016** Class time/details on ELMs *Students who wish to register for this section after June 6, 2016, please email summer@umd.edu.*	Seats (Total: 75) ONLINE

GEOG340 **Geomorphology**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Survey of landform types and role of processes in their generation. Frequency of occurrence and implications for land utilization. Emphasis on coastal, fluvial, and glacial landforms in different environmental settings. Landform regions of Maryland.

0101	Keith Yearwood	Seats (Total: 20)
	Meets May 31, 2016 - July 8, 2016	
	TuTh 1:00pm - 4:30pm	LEF 2205

GEOG358A **Special Topics in Study Abroad III; Croatia: At the Doorsteps of the European Union- Leaving Behind the Memories**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

GEOG358B **Special Topics in Study Abroad III; Investigating the Geographical Impacts of Urbanization in China**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

GEOG358C **Special Topics in Study Abroad III; China: Summer Honors Research Program**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

GEOG358D **Special Topics in Study Abroad III; Croatia: From War and Communism to the EU Membership**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

GEOG372 **Remote Sensing**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Principles of remote sensing in relation to photographic, thermal infrared and radar imaging. Methods of obtaining quantitative information from remotely-sensed images. Interpretation of remotely-sensed images emphasizing the study of spatial and environmental relationships.

This course has a $40 lab fee.

0101	Dongdong Wang	Seats (Total: 35)	
	Meets May 31, 2016 - July 8, 2016		
	MW 2:30pm - 4:00pm MW 4:00pm - 6:00pm	LEF 1124 LEF 1138	Lab
0201	Michael Humber	Seats (Total: 24)	
	Meets July 11, 2016 - August 19, 2016		
	MW 2:30pm - 4:00pm MW 4:00pm - 6:00pm	KEY 0125 LEF 1138	Lab

GEOG373 **Geographic Information Systems**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Characteristics and organization of geographic data; creation and use of digital geospatial databases; metadata; spatial data models for thematic mapping and map analysis; use of geographic information system in society, government, and business. Practical training with use of advanced software and geographic databases.

There is a $40 lab fee for this course.

0201	Kusuma Prabhakara	Seats (Total: 25)	
	Meets July 11, 2016 - August 19, 2016		
	MW 10:30am - 12:00pm MW 12:00pm - 2:00pm	LEF 1124 LEF 1138	Lab
WB11	Naijun Zhou	Seats (Total: 50)	
	Meets May 31, 2016 - July 8, 2016		
	TuTh 6:00pm - 9:30pm	ONLINE	
WB21	Zan Dodson	Seats (Total: 50)	
	Meets July 11, 2016 - August 19, 2016		
	TuTh 6:00pm - 9:30pm	ONLINE	

GEOG376 **Introduction to Computer Programming for GIS**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed or be concurrently enrolled in MATH120, MATH130, or MATH140; or must have completed MATH220. And GEOG373; or permission of BSOS-Geography department.

Introduces conceptual and practical aspects of programming for geographic applications. The main focus is on developing a solid understanding of basic programming techniques irrespective of the specific programming language including variables, looping, conditional statements, nesting, math, strings, and other concepts. In addition, students will develop a proficiency in applying these basic programming principles to manipulating spatial data sources within the Geographic Information Systems (GIS).

Students must pay a $40.00 laboratory materials fee.

WB21	Ruibo Han	Seats (Total: 25)
	Meets July 11, 2016 - August 19, 2016	
	MW 6:00pm - 9:30pm	ONLINE

GEOG384 **Internship in Geography I**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail

Prerequisite: GEOG211, GEOG306, GEOG212, and GEOG201; and (ENGL393 or ENGL390). Restriction: Must be in Geography program.

Supervised field training to provide career experience. Introduction to professional level activities, demands, opportunities. Placement at a public agency, non-profit organization, or private firm. Participation requires application to the internship advisor in preceding semester.

Contact department for information to register for this course.

GEOG384H **Internship in Geography I**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail

Prerequisite: GEOG211, GEOG306, GEOG212, and GEOG201; and (ENGL393 or ENGL390). Restriction: Must be in Geography program.

Supervised field training to provide career experience. Introduction to professional level activities, demands, opportunities. Placement at a public agency, non-profit organization, or private firm. Participation requires application to the internship advisor in preceding semester.

Prerequisite: permission of department.

0101	Rachel Berndtson	Seats (Total: 5)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	

0201	Rachel Berndtson	Seats (Total: 5)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	

GEOG385 **Internship in Geography II**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GEOG211, GEOG306, GEOG212, and GEOG201; and must have completed a Junior (Professional) English course. Restriction: Must be in Geography program.

Supervised field training to provide career experience. Introduction to professional-level activities, demands, opportunities. Placement at a public agency, nonprofit organization, or private firm. Participation requires application to the internship advisor in preceding semester.

Contact department for information to register for this course.

GEOG385H **Internship in Geography II**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GEOG211, GEOG306, GEOG212, and GEOG201; and must have completed a Junior (Professional) English course. Restriction: Must be in Geography program.

Supervised field training to provide career experience. Introduction to professional-level activities, demands, opportunities. Placement at a public agency, nonprofit organization, or private firm. Participation requires application to the internship advisor in preceding semester.

Prerequisite: permission of department.

0101	Rachel Berndtson	Seats (Total: 5)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	
0201	Rachel Berndtson	Seats (Total: 5)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	

GEOG398 **Special Topics in Geography**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An introductory course dealing with special topics in geography.

0110	Ronald Luna **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0210	Ronald Luna **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0220	Giovanni Baiocchi **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)

GEOG398H **Special Topics in Geography**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

An introductory course dealing with special topics in geography.

Prerequisite: permission of department.

0101	Rachel Berndtson **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 1)
0201	Rachel Berndtson **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)

GEOG473 **Geographic Information Systems and Spatial Analysis**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GEOG306 and GEOG373; or students who have taken courses with comparable content may contact the department. Credit only granted for: GEOG473 or GEOG482. Formerly: GEOG482.

Analytical uses of geographic information systems; data models for building geographic data bases; types of geographic data and spatial problems; practical experience using advanced software for thematic domains such as terrain analysis, land suitability modeling, demographic analysis, and transportation studies.

This course has a $40 lab fee.

0101	Naijun Zhou	Seats (Total: 25)	
	Meets May 31, 2016 - July 8, 2016		
	TuTh 10:30am - 11:50am	LEF 1124	
	TuTh 12:00pm - 2:00pm	LEF 1138	Lab

GEOG498 **Topical Investigations**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Independent study under individual guidance.

Contact department for information to register for this course.

GEOG498H **Topical Investigations**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Independent study under individual guidance.

Prerequisite: permission of department.

0101	Rachel Berndtson	Seats (Total: 5)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	
0201	Rachel Berndtson	Seats (Total: 5)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	

GEOG506 **Introduction to Quantitative Methods for the Geographic Environmental Sciences**

Credits: 3 Grading Method: Regular

Restriction: Must be in M.Prof.Studies: Geospatial Information Sciences (Master's) program.

Essentials in the quantitative analysis of spatial and other data, with a particular emphasis on statistics and programming. Topics include data display, data description and summary, statistical inference and significance tests, analysis of variance, correlation, regression, and spatial statistics. Students will develop expertise in data analysis using advanced statistical software.

Additionally, special advanced students are eligible to register without department permission.

GI01	Pan He	Seats (Total: 20)	
	Meets June 6, 2016 - August 15, 2016		
	M 5:30pm - 8:00pm	LEF 1124	
	Tu 5:30pm - 8:00pm	LEF 1124	Lab

GEOG579 **Introduction to Remote Sensing and GIS; Introduction to GIS**

Credits: 2 Grading Method: Regular

Introduction to remote sensing and geographic information systems. Topics include methods of obtaining quantitative information from remotely sensed images, interpretation of remotely sensed images for spatial and environmental relationships, characteristics and organization of geographic data, including spatial data models for thematic mapping and map analysis and use of GIS in society, government, and business. Practical experience with remote sensing software and GIS.

Additionally, special advanced students are eligible to register without department permission.

GI01	Dohyung Kim	Seats (Total: 20)	
	Meets June 8, 2016 - July 20, 2016		
	W 5:30pm - 8:00pm	LEF 1166	
	Th 5:30pm - 8:00pm	LEF 1166	Lab

GEOG579B **Introduction to Remote Sensing and GIS; Introduction to Remote Sensing**

Credits: 2 Grading Method: Regular

Introduction to remote sensing and geographic information systems. Topics include methods of obtaining quantitative information from remotely sensed images, interpretation of remotely sensed images for spatial and environmental relationships, characteristics and organization of geographic data, including spatial data models for thematic mapping and map analysis and use of GIS in society, government, and business. Practical experience with remote sensing software and GIS.

Additionally, special advanced students are eligible to register without department permission.

GI01	Kristofer Lasko	Seats (Total: 25)	
	Meets July 11, 2016 - August 19, 2016		
	W 5:30pm - 8:00pm	LEF 2166	
	Th 5:30pm - 8:00pm	LEF 2166	Lab

GEOG579C **Introduction to Remote Sensing and GIS; Introduction to Computer Programming**

Credits: 2 Grading Method: Regular

Introduction to remote sensing and geographic information systems. Topics include methods of obtaining quantitative information from remotely sensed images, interpretation of remotely sensed images for spatial and environmental relationships, characteristics and organization of geographic data, including spatial data models for thematic mapping and map analysis and use of GIS in society, government, and business. Practical experience with remote sensing software and GIS.

Additionally, special advanced students are eligible to register without department permission.

GI01	Ibraheem Khan	Seats (Total: 25)	
	Meets May 31, 2016 - July 8, 2016		
	M 5:30pm - 8:00pm	LEF 1171	
	Tu 5:30pm - 8:00pm	LEF 1171	Lab

GEOG603 **Masters Research Tutorial**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: GEOG600. Restriction: Permission of BSOS-Geography department. Credit only granted for: GEOG603 or GEOG610. Formerly: GEOG610.

Development of Masters scholarly paper topic, critical literature review, formulation of geographical approach to research methodology. Individual meetings with faculty. Comprehensive exam before the end of the semester.

Contact department for information to register for this course.

GEOG651 **Spatial Statistics**

Credits: 3 Grading Method: Regular

Prerequisite: GEOG615; or students who have taken courses with comparable content may contact the department. Restriction: Must be in M.Prof.Studies: Geospatial Information Sciences (Master's) program; or must be in Graduate Certificate: Professional Studies-Geospatial Information Sciences.

This course is about quantitative analysis of spatial data. It is intended to provide a broad survey of various methods of exploratory statistical data analysis most useful in environmental and social sciences. The course is a mix of theory, methods, and applications geared towards helping students: (1) develop an understanding of the important theoretical concepts in spatial data analysis; and (2) gain practical experience in application of spatial statistics to a variety of social and environmental problems using advanced statistical software.

Contact department for information to register for this course.

GEOG656 **Programming and Scripting for GIS**

Credits: 3 Grading Method: Regular

Prerequisite: GEOG653. Restriction: Must be in M.Prof.Studies: Geospatial Information Sciences (Master's) program; or must be in Graduate Certificate: Professional Studies-Geospatial Information Sciences.

An introduction to programming and scripting for intermediate GIS users. The fundamental concepts of computer programming will be introduced within the Geoprocessing framework in ArcGIS primarily using Python. Basic concepts of object-oriented programming and scripting will be presented. Students will develop skills in programming techniques to explore, manipulate and model spatial data using the Geoprocessor methods.

GI01	Jonathan Resop	Seats (Total: 20)	
	Meets May 31, 2016 - August 7, 2016		
	W 5:30pm - 8:00pm	SKN 1112	
	Th 5:30pm - 8:00pm	SKN 1112	Lab

GEOG788 **Selected Topics in Geography**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Readings and discussion on selected topics in the field of geography.

Contact department for information to register for this course.

GEOG788A **Selected Topics in Geography; Open Source GIS**

Credits: 3 Grading Method: Regular

Readings and discussion on selected topics in the field of geography.

GI01	Arthur Lembo	Seats (Total: 25)	
	Meets May 31, 2016 - August 7, 2016		
	M 5:30pm - 8:00pm	LEF 2166	
	Tu 5:30pm - 8:00pm	LEF 1138	Lab
	Additionally, special advanced students are eligible to register without department permission.		

GEOG788M **Selected Topics in Geography; Programming and Scripting for GIS**

Credits: 3 Grading Method: Regular

Readings and discussion on selected topics in the field of geography.

Prerequisite: permission of instructor.

0101	Jonathan Resop	Seats (Total: 5)	
	Meets May 31, 2016 - August 7, 2016		
	W 5:30pm - 8:00pm	SKN 1112	
	Th 5:30pm - 8:00pm	SKN 1112	Lab

GEOG789 **Independent Readings**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Independent reading as arranged between a graduate faculty member and graduate student.

Contact department to make arrangements.

Contact department for information to register for this course.

GEOG790 **Internship in Geography**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Field experience in the student's specialty in a Federal, state, or local agency or private business. Research paper required.

Contact department to make arrangements.

Contact department for information to register for this course.

GEOG795 **Professional Practices Seminar**

Credits: 1 Grading Method: Regular, Audit

Restriction: Must be in M.Prof.Studies: Geospatial Information Sciences (Master's) program.

Development and preparation of a resume, selecting and helping referenc writers, conducting successful interviews, negotiating an employment package, giving professional presentations, proposal prepartion, writing reports, codes of ethics and responsibilities. Presentations from practitioners in GIS field. Basic project management skills and strategies in preparation for professional project.

Contact department for information to register for this course.

GEOG796 **GIS Project Management**

Credits: 3 Grading Method: Regular

Prerequisite: GEOG653, GEOG652, and GEOG606. Restriction: Must be in M.Prof.Studies: Geospatial Information Sciences (Master's) program; or must be in the Geospatial Information Sciences (Graduate Certificate) program. Credit only granted for: GEOG796 or INFM706. Formerly: INFM706.

Project management methodology is covered, emphasizing implementing and integrating GIS into broader projects. Topics include project initiation, planning, scope, scheduling, budgeting and risk management.

Contact department for information to register for this course.

GEOG799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

GEOG898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

GEOG899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

GEOL Geology Summer 2016

GEOL100 **Physical Geology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSNL (if taken with GEOL110)

Credit only granted for: GEOL100 or GEOL120. Additional information: CORE Distributive Studies Physical Science Laboratory Course only when taken concurrently with GEOL 110.

A general survey of the rocks and minerals composing the earth, its surface features and the agents that form them, and the dynamic forces of plate tectonics.

0101	Tracey Centorbi	Seats (Total: 40)
	Meets May 31, 2016 - July 8, 2016	
	MTuWThF 9:30am - 10:50am	PLS 1176

GEOL499 **Special Problems in Geology**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Intensive study of a special geologic subject or technique selected after consultation with instructor. Intended to provide training or instruction not available in other courses which will aid the student's development in his or her field of major interest.

Contact department for information to register for this course.

GEOL798 **Seminar in Geology**

Credits: 1-3 Grading Method: Regular, Audit

Discussion of special topics in current literature in all phases of geology.

Contact department for information to register for this course.

GEOL799 **Master's Thesis Research**

Credits: 1-4 Grading Method: Regular

Contact department for information to register for this course.

GEOL898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

GEOL899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

GERM Germanic Studies Summer 2016

GERM103 **Intensive Elementary German**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed GERM102; and must not be a fluent/native speaker of German. Credit only granted for: GERM102 or GERM103.

Covers speaking, reading, writing, listening, and culture of German-speaking world.

0101	Regina Ianozi	Seats (Total: 20)
	Meets May 31, 2016 - July 8, 2016	
	MTuWTh 9:30am - 11:45am	EDU 1107

GERM203 **Intensive Intermediate German**

Credits: 4 Grading Method: Regular CORE: HO

Prerequisite: GERM103; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed GERM201; and must not have completed GERM202; and must not be a fluent/native speaker of German. Credit only granted for: GERM202 or GERM203.

Covers speaking, reading, writing, listening, and culture of German-speaking world.

0201	Eileen Sellman	Seats (Total: 20)
	Meets July 11, 2016 - August 19, 2016	
	MTuWTh 9:30am - 11:45am	KNI 1103

GERM269A **Special Topics in Study Abroad II; Elementary German I**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

GERM269B **Special Topics in Study Abroad II; Elementary German II**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

GERM301 **Conversation and Composition I: The German-Speaking World**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GERM204; or students who have taken courses with comparable content may contact the department.

Practice in contemporary spoken and written German. Systematic review of grammar, and exercises in composition. Emphasis on cultural contrasts in the German-speaking world.

Contact department for information to register for this course.

GERM302 **Conversation and Composition II: Current Topics in German-Speaking Society**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GERM301; or students who have taken courses with comparable content may contact the department.

Further practice in contemporary spoken and written German. Contemporary social, political, and cultural themes.

Contact department for information to register for this course.

GERM369C **Special Topics in Study Abroad III; German Composition I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

GERM369D **Special Topics in Study Abroad III; German Composition II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

GVPT Government and Politics Summer 2016

GVPT100 **Scope and Methods for Political Science Research**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: SB General Education: DSSP

An introduction to empirical research in political science.

WB11	Neil Lund	Seats (Total: 50)
	Meets May 31, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE

GVPT170 **American Government**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: SB General Education: DSHS

A comprehensive study of national government in the United States.

WB21	Candace Turitto	Seats (Total: 50)
	Meets July 11, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

YS41	Catherine Kane	Seats (Total: 8)
	Meets July 11, 2016 - July 29, 2016	
	MTuWThF 10:00am - 12:50pm	TYD 1114
	This section is part of Terp Young Scholars. Enrollment by permission only.	

GVPT200 **International Political Relations**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS, DVUP

Prerequisite: GVPT100.

A study of the major factors underlying international relations, the causes of conflict and cooperation among international actors, the role of international institutions, the interactions of domestic and foreign policies, and major issues in security, economy and the environment.

WB11	Caitlin McCulloch	Seats (Total: 50)
	Meets May 31, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE
YS41	Hyojoon Chang	Seats (Total: 9)
	Meets July 11, 2016 - July 29, 2016	
	MTuWThF 10:00am - 1:00pm	TYD 1118
	This section is part of Terp Young Scholars. Enrollment by permission only.	

GVPT241 **The Study of Political Philosophy: Ancient and Modern**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Restriction: Must be in Government & Politics program.

Examines some of the salient continuities and breaks between the ancient and modern traditions in Western political philosophy.

WB11	James Glass	Seats (Total: 50)
	Meets May 31, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE

GVPT258B **Introduction to Political Science Topics in Study Abroad; Enemy Within: Spies and Espionage in the Cold War**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

The study of topics in political science taken as part of an approve study abroad program.

Contact department for information to register for this course.

GVPT258C **Introduction to Political Science Topics in Study Abroad; Government and Politics in China**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The study of topics in political science taken as part of an approve study abroad program.

Contact department for information to register for this course.

GVPT273 **Introduction to Environmental Politics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

An overview of modern environmental philosophy, politics, and policy, exploring environmental politics in the US by way of comparison with other developed and developing countries.

0601	Stephen Arves **Meets August 1, 2016 - August 19, 2016** MTuWTh 10:00am - 1:20pm	Seats (Total: 15) KEY 0121
FF61	Stephen Arves **Meets August 1, 2016 - August 19, 2016** MTuWTh 10:00am - 1:20pm *Restricted to students in Freshmen First.*	Seats (Total: 15) KEY 0121

GVPT306 **Global Environmental Politics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GVPT200.

Focus on three processes of international environmental policy development- identifying problems, negotiating solutions, and implementing agreements- through a range of case studies, including global climate change.

WB21	Jennifer Wallace **Meets July 11, 2016 - August 19, 2016** Class time/details on ELMs	Seats (Total: 50) ONLINE

GVPT309E **Topics in International Relations; Arab Political Thought**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

The study of topics in international relations.

While focusing on the entire contemporary period, the course provides an in-depth analysis of the recent Arab Spring and the rise of Islamic extreme groups such as ISIS which dramatically changed the political spectrum in the Middle East.

0501	M. Hassassian	Seats (Total: 40)
	Meets June 20, 2016 - July 8, 2016	
	MTuWTh 2:00pm - 5:25pm	TYD 1108

GVPT309M **Topics in International Relations; Egypt and Israel**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

The study of topics in international relations.

Contact department for information to register for this course.

GVPT309N **Topics in International Relations; Scandinavia: Political Conflict: Past, Present and Future**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

The study of topics in international relations.

Contact department for information to register for this course.

GVPT309O **Topics in International Relations; Who Watches the Watchmen: Civil-military relations and the modern state**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

The study of topics in international relations.

WB21	David Prina	Seats (Total: 50)
	Meets July 11, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

GVPT309Q **Topics in International Relations; Guerrillas, Insurgents, and Terrorists: Asymmetric Warfare in the Contemporary World**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

The study of topics in international relations.

Asymmetric warfare is defined as conflict between two adversaries with significant differences in relative military resources and capabilities. Since World War II, 80 percent of all warfare has been asymmetric in nature. This course aims to explore the strategies of both sides of an asymmetric conflict, especially the weaker actor.

WB11	Allison Patch **Meets May 31, 2016 - July 8, 2016** Class time/details on ELMs	Seats (Total: 50) ONLINE

GVPT309X **Topics in International Relations; Conflict Resolution - The Israeli Palestinian Experiment**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, DVUP

The study of topics in international relations.

Also offered as ISRL349X. Credit offered for GVPT309X or ISRL349X. This interactive course provides contending and shared perspectives of the cycles of war and peacebuilding with simulations. Topics include common ground on Jerusalem, Palestinian refugees, Jewish settlements, water, borders and security. Professor Kaufman has been Director of both the Truman Institute for the Advancement of Peace (Hebrew University of Jerusalem) and the Center for International Development and Conflict Management (UMD). He is concurrently teaching in Israel. Professor Hassassian has been Dean and Vice-President of Bethlehem University and is currently Palestinian Ambassador to the United Kingdom. For more information, contact kaufmane@umd.edu. Course preview is available on YouTube and internet: search for 'Israeli Palestinian Team Teaching'.

0501	M. Hassassian, Edward Kaufman **Meets June 20, 2016 - July 8, 2016** MTuWTh 6:00pm - 9:25pm	Seats (Total: 30) TYD 1114
WB51	M. Hassassian, Edward Kaufman **Meets June 20, 2016 - July 8, 2016** Class time/details on ELMs *Students who wish to register for this section after June 6, 2016, please email summer@umd.edu.*	Seats (Total: 40) ONLINE
WB52	M. Hassassian, Edward Kaufman **Meets June 20, 2016 - July 8, 2016** MTuWTh 6:00pm - 9:25pm *Students must be virtually present during listed class times.*	Seats (Total: 40) ONLINE

GVPT331 **Courts, Law and Justice**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GVPT170.

An introductory course to the study of law with emphasis on how lawyers and judges think and argue. Topics include, contract law, property, family law, torts, and criminal procedure.

WB21	Heather Hicks	Seats (Total: 50)
	Meets July 11, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

GVPT358A **Study Abroad Seminar in Political Science; Migration and Multiculturalism in Europe**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The study of topics in political science.

Contact department for information to register for this course.

GVPT358M **Study Abroad Seminar in Political Science; Conflict and Peace in the Mediterranean**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The study of topics in political science.

Contact department for information to register for this course.

GVPT379D **Topics in American Politics; Interest Group Influence in Congress: An Examination of Who Wins, Who Loses, and Why?**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The study of topics in American politics.

Students will gain an understanding about interest group influence that is grounded in the best available empirical evidence. To this end, they will read and critically analyze the major studies focusing on group influence on legislative behavior in the political science literature.

WB11	Michael Parrott	Seats (Total: 50)
	Meets May 31, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE

GVPT386 **Experiential Learning**

Credits: 3-6

Grading Method: Regular, Pass-Fail

Restriction: Permission of BSOS-Government & Politics department; and junior standing or higher.

Contact department for information to register for this course.

GVPT388 **Topical Investigations**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Independent research and writing on selected topics in government and politics.

Contact department for information to register for this course.

GVPT388A **Topical Investigations; Film and the Study of Politics of Terror in the Family and the State**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Independent research and writing on selected topics in government and politics.

GVPT388A is an online course that looks at the dynamics of power, terrorand violence through the medium of film. We see films that highlight three levels of human relationships: the self, the group and the state. How does terror affect the self (for example the films Black Swan and Shutter Island); how does terror affect the group (for example, the films Hotel Rwanda and City of God); and how does terror affect the state (for example, the films District 9 and Munich). Students have six weeks to complete the course; but you can at your own pace, complete the course sooner. You may also take the course for six credits. If you choose to take the course for six credits, contact Dr. Glass at 301-405-4119.

WB11	James Glass	Seats (Total: 50)
	Meets May 31, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE

GVPT388P **Topical Investigations; Maryland Internship Program**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Independent research and writing on selected topics in government and politics.

Must have departmental permission to register; to apply, visit CAPC. This competitive program places highly qualified undergraduate students in internships in Maryland state and local government. Internship placements could include the offices of the Governor and Lieutenant Governor, members of the General Assembly, state and local agencies, and courts. Participants attend a seminar in addition to their internship duties.

WB21	Charles Hunt	Seats (Total: 20)
	Meets July 11, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

GVPT389 **Experiential Learning II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Experiential credit for working in government & politics related internships, research, and teaching opportunities.

Contact department for information to register for this course.

GVPT399B **Seminar in Government and Politics; Salzburg Seminar: Global Change, Global Cooperation**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, research, discussion, analysis, and writing in the area of politics. Both substantive issues and methodological approaches will be considered. Primarily for government and politics undergraduate majors.

Contact department for information to register for this course.

GVPT399J **Seminar in Government and Politics; Global Change, Global Cooperation, Global News**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, research, discussion, analysis, and writing in the area of politics. Both substantive issues and methodological approaches will be considered. Primarily for government and politics undergraduate majors.

Contact department for information to register for this course.

GVPT399Q **Seminar in Government and Politics; Security and Defense Policy in the European Union**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, research, discussion, analysis, and writing in the area of politics. Both substantive issues and methodological approaches will be considered. Primarily for government and politics undergraduate majors.

Contact department for information to register for this course.

GVPT458B **Special Topics in Study Abroad IV; Contemporary Political and Economic Issues in South Asia**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

GVPT808D **Selected Topics in Functional Problems in International Relations; Multi-Track Diplomacy: Transforming Violent Conflict**

Credits: 3

Grading Method: Regular, Audit

An examination of the major substantive issues in contemporary international relations.

Additional workshop times - Friday, July 8th 6-9:00p.m.; Saturday, July 9th and Sunday, July 10th from 9:00 a.m.- 1:00 p.m. and 2:00 - 6:00p.m. This course aims to develop the concepts and professional skills needed to facilitate the transformation of societal conflict. Join us in an experiment during the weekend workshop using multi-track diplomacy to search for common ground in ongoing conflict in the Middle East. The planned simulation will be facilitated by Prof. John Davies who has over 30 years experience in using multi-track diplomacy in many countries suffering from war, terrorism, and instability around the world. No pre-requisites.

0501	John Davies	Seats (Total: 30)
	Meets June 20, 2016 - July 10, 2016	
	TuTh 6:00pm - 9:20pm	TYD 1101
	Students interested in registering for GVPT808D and PUAF752 during Summer Session I 2016 must contact the instructor,Dr. John Davies in order to receive permission to register for GVPT808D. Adjustments have been made to resolve the time conflict.	

GVPT849 **Readings in Government and Politics**

Credits: 3

Grading Method: Regular, Audit

Guided readings and discussions on selected topics in political science

Contact department for information to register for this course.

GVPT898 **Pre-Candidacy Research; Pre-Candidacy Research**

Credits: 1-3

Grading Method: Regular, Sat-Fail

Guided readings and discussions on selected topics in political science.

Contact department for information to register for this course.

GVPT899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

HACS ACES-Cybersecurity Summer 2016

HACS208F **Seminar in Cybersecurity; A Global Perspective on Security: France**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSNS, DVCC, SCIS

Explores various lenses of cybersecurity in order to promote an interdisciplinary understanding of the field. Although each section may focus on a different topic, each integrates active student engagement, communication, critical communication, critical thinking, and teamwork.

Contact department for information to register for this course.

HACS279 **Undergraduate Research in Cybersecurity**

(Perm req)

Credits: 1-3 Grading Method: Regular

The Advanced Cybersecurity Experience for Students (ACES) program encourages its students to engage in research in order to gain greater insight into a specific area within cybersecurity, obtain an appreciation for the subtleties and difficulties associated with the production of knowledge and fundamental new applications, and to prepare for graduate school and the workforce.

Contact department for information to register for this course.

HACS287 **Undergraduate Research in Cybersecurity**

(Perm req)

Credits: 3 Grading Method: Regular General Education: DSSP

Restriction: Must be a student in the ACES (Advanced Cybersecurity Experience for Students) Living-Learning Program; and permission of UGST-HCOL-ACES Cybersecurity Program.

The Advanced Cybersecurity Experience for Students (ACES) program encourages its students to engage in research in order to gain greater insight into a specific area within cybersecurity, obtain an appreciation for the subtleties and difficulties associated with the production of knowledge and fundamental new applications, and to prepare for graduate school and the workforce.

Contact department for information to register for this course.

HACS297 **Cybersecurity Experience Reflection**

Credits: 3 Grading Method: Regular

Restriction: Must be a student in the ACES (Advanced Cybersecurity Experience for Students) Living-Learning Program; and permission of UGST-HCOL-ACES Cybersecurity Program.

Cybersecurity experience is defined as an experiential learning activity either with a University of Maryland entity (such as the Division of Information Technology, the ACES competition team or in an ACES outreach program), or with an external organization that will provide valuable, hands-on experience to supplement the knowledge learned in the other ACES coursework.

WB11	Rebecca Thomas	Seats (Total: 20)
	Meets May 31, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

HACS479 **Undergraduate Research in Cybersecurity**

Credits: 1-3 Grading Method: Regular

The Advanced Cybersecurity Experience for Students (ACES) program encourages its students to engage in research in order to gain greater insight into a specific area within cybersecurity, obtain an appreciation for the subtleties and difficulties associated with the production of knowledge and fundamental new applications, and to prepare for graduate school and the workforce.

Contact department for information to register for this course.

HDCC Design Cultures and Creativity Summer 2016

HDCC106 **Introduction to Digital and Creativity II**

(Perm req)

Credits: 3 Grading Method: Regular General Education: DSHU

Restriction: Must be in the Digital Cultures and Creativity Honors College Living/Learning program.

Introduction to the methods and theory of digital cultural production, with emphasis on creative and expressive platforms.

YS41	Jason Farman	Seats (Total: 6)
	Meets July 11, 2016 - July 29, 2016	
	MTuWThF 10:00am - 1:00pm	PFR 0111
	This section is part of Terp Young Scholars. Enrollment by permission only.	

HEBR Hebrew Summer 2016

HEBR298O **Special Topics in Jewish Studies; Jewish Languages in America**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Also offered as JWST219O. Credit granted for JWST219O or HEBR298O. Students will explore the history and current use of a variety of and dialects in the American Jewish community. They will analyze how affects identity and the relationships to the majority group, as well as within the cultural group.

WB11	Avital Feuer **Meets May 31, 2016 - July 8, 2016** Class time/details on ELMs	Seats (Total: 40) ONLINE

HESI Higher Ed, Student Affairs, and International Ed Policy Summer 2016

HESI217 **Introduction to Student Leadership**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Restriction: Freshman standing; or sophomore standing. Credit only granted for: HESI217 or EDCP217. Formerly: EDCP217.

Introduction to leadership theories, concepts, and skills. Completion of personal and leadership self-assessments, values exploration, and small group application.

Students must pay a $32 materials fee.

0401	Natasha Chapman, Kristen Rupert **Meets July 11, 2016 - July 30, 2016** MTuWTh 9:00am - 12:15pm	Seats (Total: 25) TYD 2110
0501	Natasha Chapman **Meets June 20, 2016 - July 8, 2016** MTuWTh 9:00am - 12:25pm	Seats (Total: 21) TYD 2110

HESI318A **Applied Contextual Leadership; Leadership and Film**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Course will utilize experiential learning opportunities to develop and apply the knowledge and skills of leadership into specific contexts of leadership practice.

This online course asks students to think about leadership in a new way by finding leadership lessons from film. Students will watch a number offilms (including some documentaries) and connect each of the films to leadership readings and personal experience.

WB11	Anne Spear **Meets May 31, 2016 - July 8, 2016** Class time/details on ELMs	Seats (Total: 20) ONLINE

HESI318C **Applied Contextual Leadership; The Principles of Personal Excellence (Personal Leadership)**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Course will utilize experiential learning opportunities to develop and apply the knowledge and skills of leadership into specific contexts of leadership practice.

This course introduces students to a holistic framework for the development of personal effectiveness and peak performance. Students will review principles, processes, and practices used by peak performers in many life disciplines.

WB21	Bruce Jackson	Seats (Total: 15)
	Meets July 11, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

HESI318W **Applied Contextual Leadership; Leadership and the Workplace**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Course will utilize experiential learning opportunities to develop and apply the knowledge and skills of leadership into specific contexts of leadership practice.

This on-line course will use a variety of readings and discussion pieces to have students critically examine concepts of leadership in the world of work. Students must be employed or intern (full-time or part-time) during the Summer 2015 semester and must have a workplace that they visit on a regular basis, as they will be asked to connect course concepts to actual workplace experiences and will bring in workplace documents to the discussion. Internships may count toward this requirement.

WB11	Melissa Rocco, Kristen Rupert	Seats (Total: 20)
	Meets May 31, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE

HESP Hearing and Speech Sciences Summer 2016

HESP202 **Introduction to Hearing and Speech Sciences**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

An introduction to communication sciences and disorders; a survey of th bases of normal speech, language and hearing ability, major forms of communicative disorders and their treatment.

WB11	Melissa Licata	Seats (Total: 20)
	Meets May 31, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE

HESP311 **Anatomy, Pathology and Physiology of the Auditory System**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in HESP202; or permission of BSOS-Hearing & Speech Sciences department.

Gross anatomy of the ear and pathways for transmission of sound energy through the peripheral and central auditory system. Causes, development and effects of pathological conditions contributing to temporary or chronic hearing impairments.

0101	Julie Cohen	Seats (Total: 30)
	Meets May 31, 2016 - July 8, 2016	
	MW 9:00am - 12:25pm	LEF 0104A

HESP386 **Experiential Learning**

(Perm req)

Credits: 3-6

Grading Method: Regular, Pass-Fail

Restriction: Junior standing or higher; and permission of BSOS-Hearing & Speech Sciences department.

Contact department for information to register for this course.

HESP388 **Undergraduate Research Externship**

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Off-campus research internship with departmental affiliates at National Institutes of Health and regional universities. Contact department chairman for openings and descriptions of eligible placements.

Contact department for information to register for this course.

HESP389 **LEAP Classroom Internship**

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Participation in a language-based, literacy-rich preschool classroom fo children with speech-language disorders. Students will learn behavior management techniques, curriculum planning and implementation, facilitation of play among children, data collection and teaching srategies.

Contact department for information to register for this course.

HESP400 **Speech and Language Development in Children**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in HESP300; or permission of BSOS-Hearing & Speech Sciences department. Recommended: LING200 or HESP120. Restriction: Must be in Hearing and Speech Sciences program; or permission of BSOS-Hearing & Speech Sciences department.

Analysis of the normal processes of speech and language development in children.

0201	Eusabia Mont	Seats (Total: 30)
	Meets July 11, 2016 - August 19, 2016	
	TuTh 9:00am - 12:15pm	SKN 1115

HESP417 **Principles and Methods in Speech-Language Pathology and Audiology**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: HESP400 and HESP411; and 1 course with a minimum grade of C- from (HESP402, HESP404, HESP406, HESP410). Or permission of BSOS-Hearing & Speech Sciences department. Restriction: Must be in Hearing and Speech Sciences program; or permission of BSOS-Hearing & Speech Sciences department.

The principles underlying the treatment of speech, language and hearing disorders in children and adults.

0201	Kristin Slawson, Lisa Rickard	Seats (Total: 20)
	Meets July 11, 2016 - August 19, 2016	
	MTuWTh 9:30am - 11:15am	LEF 0135

HESP498B **Seminar; Augmentative and Alternative Communication**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Selected topics in human communication and its disorders.

An online course designed to provide an introduction to the principles, methods, and procedures for categorizing, understanding, and devloping augmentative and alternative communication (AAC) systems for persons with complex communication needs.

WB41	Tonya Williams Walker	Seats (Total: 25)
	Meets July 11, 2016 - July 29, 2016	
	Class time/details on ELMs	ONLINE

HESP499 **Independent Study**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

A directed study of selected topics pertaining to human communication and its disorders.

Contact department for information to register for this course.

HESP625 **Dysphagia**

Credits: 3 Grading Method: Regular

Restriction: Permission of BSOS-Hearing & Speech Sciences department. Credit only granted for: HESP639B or HESP625.

Nature and clinical management of dysphagia as it pertains to different clinical settings for adult and pediatric populations.

0101	Yvette McCoy	Seats (Total: 30)
	Meets May 31, 2016 - July 8, 2016	
	TuTh 11:00am - 2:30pm	LEF 0135

HESP627 **Augmentative and Alternative Communication**

Credits: 3 Grading Method: Regular

Restriction: Permission of BSOS-Hearing & Speech Sciences department. Credit only granted for: HESP639R or HESP627.

Principles, methods, and procedures for categorizing, understanding, an developing augmentative and alternative communication.

An online course designed to provide an introduction to the principles, methods, and procedures for categorizing, understanding, and devloping augmentative and alternative communication (AAC) systems for persons with complex communication needs. All other course work is web online.

WB41	Tonya Williams Walker	Seats (Total: 25)
	Meets July 11, 2016 - July 29, 2016	
	Class time/details on ELMs	ONLINE

HESP634 **Anatomy and Physiology of the Auditory and Vestibular Systems**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Must have completed or be concurrently enrolled in HESP311, HESP407, and HESP411; or permission of instructor. Additional information: Fills a requirement for the Doctoral Program in Clinical Audiology (CAUD). Open to students in other graduate programs, especially NACS.

Comprehensive examination of the anatomy and physiology of the peripheral as well as the central auditory and vestibular systems. Both afferent and efferent pathways will be considered. Applications of basic auditory neuroscience to contemporary clinical audiology practice will be highlighted.

0201	Matthew Goupell	Seats (Total: 15)
	Meets July 11, 2016 - August 19, 2016	
	MTuWThF 3:30pm - 6:00pm	LEF 1201

HESP635 **Aural Rehabilitation/Habilitation**

Credits: 3 Grading Method: Regular, Audit

Principles, methods and procedures for aural rehabilitation/habilitation in children and adults.

0101	Paula Schauer	Seats (Total: 27)
	Meets May 31, 2016 - July 8, 2016	
	TuTh 3:15pm - 6:30pm	LEF 0135
	Recommended for Au.D. students.	
0401	Maureen Shader	Seats (Total: 40)
	Meets July 11, 2016 - July 29, 2016	
	MTuWThF 1:00pm - 3:30pm	KEY 0103
	For Speech Path. M.A. students.	

HESP638 **Research Practicum; Minor Research Problems**

Credits: 1-3 Grading Method: Regular, Audit

Analysis, synthesis and integration of knowledge related to current research or clinical issues in human communication and its related disorders.

Contact department for information to register for this course.

HESP648B **Clinical Practice in Speech**

Credits: 1-2 Grading Method: Regular, Audit

Supervised training in the application of clinical methods in the diagnosis and treatment of speech disorders.

0101	Colleen Worthington **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0103	Eusabia Mont **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0104	Kristin Slawson **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0105	Rebecca Lower **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0107	Kathryn Dow-Burger **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)

HESP649A **Clinical Practice in Audiology**

Credits: 1-2 Grading Method: Regular, Audit

Supervised training in the application of clinical methods in the diagnosis and treatment of hearing disorders.

0101	Sharon Palmer **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)

HESP649B **Clinical Practice in Audiology; Aural Rehabilitation**

(Perm req)

Credits: 1-2 Grading Method: Regular

Supervised training in the application of clinical methods in the diagnosis and treatment of hearing disorders.

Contact department for information to register for this course.

HESP708 **Independent Study**

Credits: 1-6 Grading Method: Regular, Audit

Individual research projects under guidance of a faculty member.

Contact department for information to register for this course.

HESP728 **Advanced Clinical Practice in Speech**

Credits: 1-8 Grading Method: Regular, Audit

Clinical internship in selected off-campus facilities.

0201	Colleen Worthington **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)

HESP729 **Advanced Clinical Practice in Audiology**

Credits: 1-8 Grading Method: Regular, Audit

Clinical internship in selected off-campus facilities.

0101	Margaret McCabe **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0201	Margaret McCabe **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)

HESP788 **Graduate Research Externship**

Credits: 1-3 Grading Method: Regular, Audit

Off-campus research internship with departmental affiliates at National Institutes of Health and other regional universities. Contact department chairman for available placements, requirements and openings.

Contact department for information to register for this course.

HESP799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

HESP829 **Clinical Internship Residency**

Credits: 1-9 Grading Method: Regular, Audit

Off-Campus, full-time (30-40 hours/week) clinical externship in Audiology at regional and national institutions.

I101	Margaret McCabe **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
I201	Margaret McCabe **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)

HESP859 Capstone Research Project II

Credits: 2 Grading Method: Regular

Second of two-course sequence leading to the final research requirement for the Doctor of Audiology (Au.D.) degree; involves final data collection, analysis and presentation of results or completion of scholarly paper under the direction of the faculty mentor.

Pre- or Corequisite: HESP849.

0112	Sandra Gordon-Salant **Meets May 31, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0118	Matthew Goupell **Meets May 31, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0122	Samira Anderson **Meets May 31, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)

HESP889 Doctoral Candidacy Research

Credits: 1-3 Grading Method: Regular

Doctoral candidacy paper research

Contact department for information to register for this course.

HESP898 Pre-Candidacy Research

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

HESP899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

HISP Historic Preservation Summer 2016

HISP619Y **Special Topics in Historic Preservation; Understanding Place: Cultural Landscapes of Yorkshire: United Kingdom**

Credits: 3 Grading Method: Regular, Audit

Technical aspects of preservation taught by practitioners whose expertise are of special benefit to certificate students.

SAUK	Dennis Pogue	Seats (Total: 0)
	Meets May 24, 2016 - June 12, 2016	
	Contact instructor or department for details.	

HISP629 **Independent Studies in Historic Preservation**

Credits: 3 Grading Method: Regular, Audit

Individual Instruction course.

Contact department for information to register for this course.

HISP660 **Internship in Historic Preservation**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of ARCH-Historic Preservation Program. Formerly: HISP619.

Students will secure a summer internship with an organization engaged in historic preservation work (this can be a public agency, nonprofit, or private firm). The students will formulate a plan of work and a series of pedagogical goals to satisfy both the practical needs of the project and the academic requirements for the course.

I101	Donald Linebaugh	Seats (Total: 10)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	

I201	Donald Linebaugh **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)

HISP701 **Certificate Portfolio Project**

Credits: 1 Grading Method: Regular, Audit

Prerequisite: Permission of ARCH-Historic Preservation Program.

Students will gather samples of their work and craft a synthetic statement on their experiences in their HISP certificate courses (for example, picking up on themes such as community involvement, diversity of practice, affordable housing, or sustainability), and the ways in which they have integrated historic preservation into their thinking and practice in their home discipline.

0101	Donald Linebaugh **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0201	Donald Linebaugh **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)

HISP710 **Final Project in Historic Preservation I**

Credits: 1 Grading Method: Regular, Audit

Credit only granted for: HISP700 or HISP710. Formerly: HISP700.

An independent, applied research project investigating the preservation of a particular site or a specialized issue in historic preservation. This is part one of a two-semester sequence and involves developing the project proposal and bibliography.

0101	Donald Linebaugh **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0201	Donald Linebaugh **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)

HISP711 **Final Project in Historic Preservation II**

Credits: 2 | Grading Method: Regular, Audit

Credit only granted for: HISP700 or HISP711. Formerly: HISP700.

An independent, applied research project invesitgating the preservation of a particular site or a specialized issue in historic preservation. This is part two of a two semester sequence and involves project research and writing.

0101	Donald Linebaugh **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0201	Donald Linebaugh **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)

HIST History Summer 2016

HIST134 **Spies, Assassins, Martyrs, and Witches: Famous Trials in American History**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH | General Education: DSHU, SCIS

Examination of some of the most famous trials in American history and their enduring hold on the imagination.

0101	Michael Ross **Meets May 31, 2016 - July 8, 2016** MW 6:00pm - 9:25pm	Seats (Total: 25) TLF 2103

HIST137 **Pursuits of Happiness: Ordinary Lives in the American Revolution**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH | General Education: DSHS, SCIS

Credit only granted for: HIST289E or HIST137. Formerly: HIST289E.

Investigates the search for personal fulfillment unleashed by the American Revolution; explores the many different meanings ascribed to the notion of the "pursuit of happiness" by Americans in the early national period.

WB61	Richard Bell **Meets August 1, 2016 - August 19, 2016** Class time/details on ELMs	Seats (Total: 40) ONLINE

HIST200 **Interpreting American History: Beginnings to 1877**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH | General Education: DSHS, DSHU

Credit only granted for: HIST156 or HIST200. Formerly: HIST156.

The United States from colonial times to the end of the Civil War. Establishment and development of American institutions.

0201	Rachel Walker **Meets July 11, 2016 - August 19, 2016** MTuWThF 9:00am - 10:20am	Seats (Total: 25) KEY 0103
XA21	Rachel Walker **Meets July 11, 2016 - August 19, 2016** MTuWThF 9:00am - 10:20am	Seats (Total: 14) KEY 0103

HIST201 **Interpreting American History: From 1865 to the Present**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH | General Education: DSHS, DSHU, DVUP

Credit only granted for: HIST157 or HIST201. Formerly: HIST157.

The United States from the end of the Civil War to the present. Economic, social, intellectual, and political developments. Rise of industry and emergence of the United States as a world power.

0201	Robert Chiles **Meets July 11, 2016 - August 19, 2016** MTuWThF 11:00am - 12:20pm	Seats (Total: 28) KEY 0103
XA21	Robert Chiles **Meets July 11, 2016 - August 19, 2016** MTuWThF 11:00am - 12:20pm	Seats (Total: 14) KEY 0103

HIST269A **Special Topics in Study Abroad II; Mexican Society: History and Gender Issues**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

HIST269B **Special Topics in Study Abroad II; People and Cultures of Africa**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

HIST269C **Special Topics in Study Abroad II; Spanish Culture Civilization and Literature III: Modern Times**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

HIST269F **Special Topics in Study Abroad II; Sailors, Soldiers, Slaves: London**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

HIST269R **Special Topics in Study Abroad II; Latin American Social Revolutions**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

HIST269T **Special Topics in Study Abroad II; London: Cultural Capital**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

HIST299 **Directed Research**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Closely guided research in primary sources for students currently enrolled in selected 100- or 200-level surveys in the Department of History.

Contact department for information to register for this course.

HIST306 **History of Religion in America**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: HIST200, HIST201, HIST210, HIST211, HIST213, HIST254, or HIST255; or must have completed HIST156 or HIST157; or permission of instructor. Also offered as: RELS346. Credit only granted for: HIST306 or RELS346.

A history of religion, religious movements, and churches in America from the early Colonial period to the present, with special attention to the relation between church and society.

WB31	Miles Bradbury	Seats (Total: 40)
	Meets May 31, 2016 - June 17, 2016	
	Class time/details on ELMs	ONLINE

HIST327 **The Roman Empire**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Roman history from Augustus to Heraclius, 44BC-641AD: The Imperial cour and government; the diversity of culture in provinces and cities and the progress of Romanization; Roman religion and its transformation in late antiquity; the Roman army and defense of the frontiers.

0401	Elizabeth Conner	Seats (Total: 40)
	Meets July 11, 2016 - July 29, 2016	
	MTuWThF 9:00am - 11:45am	TYD 1108

HIST328K **Selected Topics in History; Napoleon and His Empire**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

WB51	Donald Sutherland	Seats (Total: 40)
	Meets June 20, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE
	Students who wish to register for this section after June 6, 2016, please email summer@umd.edu.	

HIST328R **Selected Topics in History; Global History of Soccer: Politics, Culture, and Society**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

WB11	Daniel Richter	Seats (Total: 40)
	Meets May 31, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE

HIST329K **History of Rock and Roll, 1950 - 2000**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH

This inter-disciplinary course will trace the development of American rock 'n' roll and popular music in the second half of the 20th century. Popular music will be studied both in terms of what it sounds like, and in terms of what it meant to the societies in which it was made and consumed. Special attention will be paid to the role of African-American cultural influences, as well as contributions made by European (mainly British) performers over the years.

WB41	Andrew Kellett	Seats (Total: 60)
	Meets July 11, 2016 - July 29, 2016	
	Class time/details on ELMs	ONLINE

HIST330 **Europe in the Making: The Early Medieval West (A.D. 300-1000)**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Also offered as: RELS340. Credit only granted for: HIST330 or RELS340.

From one empire to another: Rome to Charlemagne. This period is approached as a crucible in which classical, Christian, and Germanic elements merged, yielding new experimental syntheses. This course will deal with issues of authority, cultural trends, and the formation of group solidarity.

WB41	Janna Bianchini	Seats (Total: 40)
	Meets July 11, 2016 - July 29, 2016	
	Class time/details on ELMs	ONLINE

HIST357 **Recent America: 1945-Present**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: HIST201, HIST211, HIST213, HIST222, HIST255, or HIST275; or must have completed HIST157; or permission of instructor.

American history from the inauguration of Harry S. Truman to the presen with emphasis upon politics and foreign relations, but with consideration of special topics such as radicalism, conservatism, and labor.

WB51	Howard Smead	Seats (Total: 40)
	Meets June 20, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE
	Students who wish to register for this section after June 6, 2016, please e-mail summer@umd.edu .	

HIST360 **Women and the Civil Rights Movement**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Twentieth-century U.S. civil rights movement from the vantage point of women, considering both women's involvement in the legal campaigns and political protests and the impact of civil rights struggles on women's condition, status, and identity.

Also offered as AASP498I and WMST498M. Credit granted for HIST360, AASP498I, and WMST498M.

WB51	Elsa Barkley Brown	Seats (Total: 40)
	Meets June 20, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE
	Students who wish to register for this section after June 6, 2016, please email summer@umd.edu.	

HIST369B **Special Topics in Study Abroad III; Brazil, Rio Film History and Culture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

HIST369G **Special Topics in Study Abroad III; Brazilian History**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

HIST369M **Special Topics in Study Abroad III; History of Medieval Italy: The World of Dante**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

HIST369T **Special Topics in Study Abroad III; The Archaeological Exploration of Tel Burna**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

HIST386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Restriction: Permission of ARHU-History department; and junior standing or higher.

The History Department's Internship program. Pre-professional experience in historical research, analysis, and writing in a variety of work settings.

Contact department for information to register for this course.

HIST469C **Study Abroad Special Topics IV; Spanish Culture Civilization and Literature III: Modern Times**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

HIST499 **Independent Study**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

HIST619 **Special Topics in History**

Credits: 1-3 Grading Method: Regular, Audit

Contact department for information to register for this course.

HIST619A **Special Topics in History; Independent Study**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Contact department for information to register for this course.

HIST619B **Special Topics in History**

Credits: 3 Grading Method: Regular, Audit

Contact department for information to register for this course.

HIST708 **Directed Independent Reading for Comprehensive Examinations I**

Credits: 1-4 Grading Method: Sat-Fail

Directed reading in preparation for Doctoral Comprehensive Examinations In consultation with their advisors, students will select a number of books and articles from an approved list. Grading for the course will reflect performance on the written and oral sections of the Comprehensive Examinations.

Contact department for information to register for this course.

HIST709 **Directed Independent Reading for Comprehensive Examinations II**

Credits: 1-4 Grading Method: Sat-Fail

Directed reading in preparation for Doctoral Comprehensive Examinations. In consultation with their advisors, students will select a number of books and articles from an approved list. Grading for the course will reflect performance on the written and oral sections of the Comprehensive Examinations.

Contact department for information to register for this course.

HIST799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

HIST819 **Special Topics in History: Independent Research**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Individual graduate research in an area not covered by current seminar offerings. The product will be a finished research paper normally based on original materials.

Contact department for information to register for this course.

HIST899 **Doctoral Dissertation Research**

Credits: 1 Grading Method: Regular

Contact department for information to register for this course.

HLSA Health Services Administration Summer 2016

HLSA300 **Introduction to Health Policy and Services**

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CHEM131 and CHEM132. Restriction: Must be in Public Health Science program; and junior standing or higher. Credit only granted for: SPHL498P or HLSA300. Formerly: SPHL498P.

This course provides a multidimensional view of public health policy and services. Through interactive discussion of assigned readings, team-based learning, and supplementary lecture, students will learn about the nature of and development of policy, public health policy, and financing and delivery of health care services. Concepts such as unintended consequences, association versus causation, evidence-based information, and the challenges of deconstructing available data, will be discussed throughout the course with the purpose of strengthening student abilities to analyze and challenge assumptions. This course will place a significant emphasis on a team-based learning approach to understanding the health care system and health care reform.

WB11	Robin Bloodworth	Seats (Total: 60)
	Meets May 31, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE

HLSA601 **Introduction to Health Systems**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must not have completed HLTH740. Credit only granted for: HLSA601, HLTH688A, or HLTH740. Formerly: HLTH688A or HLTH740.

Management and leadership skills for effective public health planning, organization, management and administration. Emphasis is on the role of institutions in learning and behavioral change process, organizational theory, administration management, and coordinating provision of community health services.

PLH1	Negin Fouladi	Seats (Total: 10)
	Meets July 11, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE
	Restricted to students in the Master of Public Health Practice and Policy and Graduate Certificate in Principles of Public Health prgrams.	
WB21	Negin Fouladi	Seats (Total: 25)
	Meets July 11, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

HLSA688 **Independent Study**

Credits: 1-6 Grading Method: Regular, Audit

Master or doctoral students who desire to pursue special research problems under the direction of a faculty memeber of the department may register for 1-6 hours of credit under this number.

0102	Lori Simon-Rusinowitz **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0105	Michel Boudreaux **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0106	Dylan Roby **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0107	Luisa Franzini **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0108	Stephen Thomas **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0109	Jie Chen **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0202	Lori Simon-Rusinowitz **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0205	Michel Boudreaux **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0206	Dylan Roby **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0207	Luisa Franzini **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)

0208	Stephen Thomas	Seats (Total: 10)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	
0209	Jie Chen	Seats (Total: 10)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	
PLH1	Negin Fouladi	Seats (Total: 5)
	Meets May 31, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE
	Instructor permission required, restricted to students in MPH-PHPP or GC-PPH programs.	

HLSA702 **Policy and Politics of Health**

Credits: 3 Grading Method: Regular, Audit

Organizational and financial components of the U.S. health care system, including social and political forces that bind the system. Advanced political analysis of the health care system, including key issues and problems.

PLH1	Lori Simon-Rusinowitz	Seats (Total: 30)
	Meets May 31, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE
	Restricted to students in MPH in Public Health Practice and Policy or Certificate in Principles of Public Health program.	

HLSA775 **Public Health Research**

Credits: 3 Grading Method: Regular

Prerequisite: EPIB650. Restriction: Must be in a major in SPHL-School of Public Health; or permission of instructor.

Provides an interdisciplinary approach to gaining an understanding of and acquiring the skills to conduct public health research. This course covers policy and social issues, theory, and methods of evaluation and participatory research, from simple community based health programs to large-scale interventions. The course emphasizes experimental and quasi-experimental designs to estimate program impact as well as evaluation of program implementation. Case studies drawn from the public health field illustrate various types of evaluations and participatory research initiatives. Lectures, interactive discussions, group projects, individual projects and related assignments.

PLH1	Farah Farahati **Meets May 31, 2016 - July 8, 2016** Class time/details on ELMs *Restricted to students in MPH in Public Health Practice and Policy or Certificate in Principles of Public Health program.*	Seats (Total: 30) ONLINE

HLSA785 **Internship in Public Health**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of SPHL-Health Services Administration department.

Internship and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.

0102	Lori Simon-Rusinowitz **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0105	Michel Boudreaux **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0106	Dylan Roby **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0107	Luisa Franzini **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0108	Stephen Thomas **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0109	Jie Chen **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)

0202	Lori Simon-Rusinowitz **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0205	Michel Boudreaux **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0206	Dylan Roby **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0207	Luisa Franzini **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0208	Stephen Thomas **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0209	Jie Chen **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
PLH1	Negin Fouladi **Meets May 31, 2016 - August 19, 2016** Class time/details on ELMs *Restricted to students in MPH in Public Health Practice and Policy or Certificate in Principles of Public Health program.*	Seats (Total: 20) ONLINE

HLSA786 **Capstone Project in Public Health**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of SPHL-Health Services Administration department.

Capstone experience provding opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

0102	Lori Simon-Rusinowitz **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)

0105	Michel Boudreaux **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0106	Dylan Roby **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0107	Luisa Franzini **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0108	Stephen Thomas **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0109	Jie Chen **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0202	Lori Simon-Rusinowitz **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0205	Michel Boudreaux **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0206	Dylan Roby **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0207	Luisa Franzini **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0208	Stephen Thomas **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)

0209	Jie Chen	Seats (Total: 10)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	
PLH1	Negin Fouladi	Seats (Total: 20)
	Meets May 31, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE
	Restricted to students in MPH in Public Health Practice and Policy or Certificate in Principles of Public Health program.	

HLSA799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

0106	Jie Chen	Seats (Total: 10)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	
0206	Jie Chen	Seats (Total: 10)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	

HLSA898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

HLSA899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

HLTH Health Summer 2016

HLTH106 **Drug Use and Abuse**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An interdisciplinary analysis of contemporary drug issues and problems. The course will examine physiological, psychological, social, philosophical, historical, legal and health aspects of drug use and abuse. Special attention will be focused on those general motivations for drug use that attend life on the college campus.

WB31	Tracy Zeeger	Seats (Total: 55)
	Meets May 31, 2016 - June 17, 2016	
	Class time/details on ELMs	ONLINE

HLTH140 **Personal and Community Health**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Meaning and significance of physical, mental and social health as related to the individual and to society; important phases of national health problems; constructive methods of promoting health of the individual and the community.

WB31	Sylvette La Touche-Howard	Seats (Total: 50)
	Meets May 31, 2016 - June 17, 2016	
	Class time/details on ELMs	ONLINE

HLTH200 **Introduction to Research in Community Health**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Permission of SPHL-Behavioral & Community Health department.

An overview of specific components and steps involved in the community health research process. Content includes, foundations of research, sampling, measurement design, and analysis in a community context.

WB21	Juliette Christie	Seats (Total: 50)
	Meets July 11, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

HLTH366 **Behavioral and Community Issues in Public Health**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: HLTH130, HLTH230, PSYC100, SOCY100, SOCY105, or ANTH260. Restriction: Must be in Public Health Science program; or permission of SPHL-Behavioral & Community Health department. And must have earned a minimum of 45 credits. Additional information: This course will initially be restricted to Public Health Science (PHSC) majors, but could ultimately be opened to other majors, particularly those in HLTH.

The exploration of how social and behavioral science theories and public health concepts and methods can be applied to both the health-illness experience and community interventions.

WB11	Evelyn King-Marshall	Seats (Total: 50)
	Meets May 31, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE

HLTH377 **Human Sexuality**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The biological and developmental aspects of human sexuality; the psychological and emotional aspects of sexual behavior; sexual identity; the historical, cultural, social, linguistic, legal and moral forces affecting sexual issues; the importance of communication, disclosure and intimacy in interpersonal relationships; and research trends in the area of human sexuality.

WB31	Robin Sawyer	Seats (Total: 150)
	Meets May 31, 2016 - June 17, 2016	
	Class time/details on ELMs	ONLINE

HLTH386 **Experiential Learning**

Credits: 3-6 Grading Method: Regular, Pass-Fail

Prerequisite: Permission of SPHL-Behavioral & Community Health department. Restriction: Junior standing or higher.

0103	Robin Sawyer	Seats (Total: 1)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	

HLTH389 **Topical Investigations**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Independent study by an individual student or an experimental course in special areas of knowledge not covered by regularly scheduled courses.

Contact department for information to register for this course.

HLTH389I **Topical Investigations; An International Perspective of Violence: Comparing Italy, France and the U.S.: Italy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Independent study by an individual student or an experimental course in special areas of knowledge not covered by regularly scheduled courses.

Contact department for information to register for this course.

HLTH476 **Death Education**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Examination of the genesis and development of present day death attitudes and behavior by use of a multidisciplinary life cycle approach.

WB31	Jennifer Hodgson	Seats (Total: 40)
	Meets May 31, 2016 - June 17, 2016	
	Class time/details on ELMs	ONLINE

HLTH489 **Field Laboratory Projects and Workshop**

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

A course designed to meet the needs of persons in the field with respect to workshop and research projects in special areas of knowledge not covered by regularly structured courses.

0201	Robin Sawyer	Seats (Total: 1)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	

HLTH498T **Special Topics in Health; Medical Terminology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics of special interest in areas not covered by regularly scheduled courses.

"On-line course"

WB21	Katherine Sharp	Seats (Total: 125)
	Meets July 11, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

HLTH665 **Health Behavior I**

Credits: 3 Grading Method: Regular, Audit

The psychological, social psychological, and sociological theories of health behavior. The relation of health knowledge, beliefs, attitudes, intentions, and behavior to preventive, illness, sick-role, and health utilization behaviors.

PLH1	Sharon Desmond	Seats (Total: 10)
	Meets May 31, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE
	Restricted to students in MPH in Public Health Practice and Policy or Certificate in Principles of Public Health program.	
WB11	Sharon Desmond	Seats (Total: 20)
	Meets May 31, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE

HLTH688 **Special Problems in Health Education**

(Perm req)

Credits: 1-6 Grading Method: Regular, Audit

Contact department for information to register for this course.

HLTH799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

HLTH898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

HLTH899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

INAG Institute of Applied Agriculture Summer 2016

INAG299A **Supervised Work Experience; Internship I**

Credits: 1 Grading Method: Regular

Prerequisite: Advisor's approval.

I201	Justin Mathias **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 20)
I202	Meredith Epstein **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 25)
I203	Kenneth Ingram **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 15)
I204	Larisa Cioaca **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 20)

INAG299B **Supervised Work Experience; Internship II**

(Perm req)

Credits: 1 Grading Method: Regular, Sat-Fail

Prerequisite: Advisor's approval. Pre-corequisite: INAG299A.

I201	Justin Mathias **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
I202	Meredith Epstein **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)

I203	Kenneth Ingram	Seats (Total: 5)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	
I204	Larisa Cioaca	Seats (Total: 5)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	

INFM Information Management Summer 2016

INFM719 **Independent Study**

Credits: 1-3 Grading Method: Regular

Intensive individual study under faculty supervision.

Contact department for information to register for this course.

INFM747 **Web-Enabled Databases**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: INFM603, LBSC690, or LBSC671; and INST733. Or permission of instructor. Restriction: Permission of INFO-College of Information Studies. Credit only granted for: INFM747 or INFM718N. Formerly: INFM718N.

Basic methods and tools for developing dynamic, database-driven web sites. Acquiring, installing, and running web servers, database servers, and connectability applications. Developing web interfaces and application-layer components.

SG10	Vedat Diker	Seats (Total: 25)
	Meets May 31, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

INFM799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

0103	Brian Butler	Seats (Total: 5)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	

0111	Paul Jaeger **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0124	Jessica Vitak **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0211	Paul Jaeger **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)

INST Information Studies Summer 2016

INST633 **Analyzing Social Networks and Social Media**

Credits: 3 Grading Method: Regular

Restriction: Permission of INFO-College of Information Studies. Credit only granted for: LBSC708L or INST633. Formerly: LBSC708L.

Introduces students to the science and social science of network analysis. Through real world examples, including analysis of their own social networks, students will develop skills for describing and understanding the patterns and usage of services like Facebook, Twitter, YouTube, and others. Students will read classic and cutting edge articles and books about these topics and discuss their applicability to this new social media. The class will culminate with a capstone project in which students will apply the analysis methods they have learned to understanding a particular question about social networks and social media.

SG10	Jennifer Golbeck **Meets May 31, 2016 - August 19, 2016** Class time/details on ELMs	Seats (Total: 25) ONLINE

INST640 **Principles of Digital Curation**

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of INFO-College of Information Studies.

Principles for the design and implementation of long-term curation of digital data and information assets, including born-digital and digitized assets. Frameworks for analysis of technical, practical, economic, legal, social and political factors affecting digital curation decisions. Case studies of specific digital curation scenarios.

Restricted to students in CMDA certification program.

CT01	Jesse Johnston	Seats (Total: 15)
	Meets May 31, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

INST645 **Personal Digital Curation**

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of INFO-College of Information Studies.

Discussion and workshop in selecting and preserving digital personal data and records.

SG10	Andrew Lau	Seats (Total: 25)
	Meets May 31, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

INST706 **Project Management**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: INFM603 and INFM612; or (LBSC631 and LBSC671); or (LBSC635 and LBSC670); or permission of instructor. Restriction: Permission of INFO-College of Information Studies. Credit only granted for: INST706 or INFM706. Formerly: INFM706.

Comprehensive overview of project management, focusing on the needs of information resource (IR) projects. Concepts and techniques for planning and execution of projects including developing work breakdown structure, estimating costs, managing risks, scheduling, staff and resource allocation, team building, communication, monitoring, control, and other aspects of successful project completion.

SG10	Brian Kolowitz	Seats (Total: 25)
	Meets May 31, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

INST709 **Independent Study**

Credits: 1-3 Grading Method: Regular, Audit

Intensive individual study, reading, or research in an area of specialized interest under faculty supervision. Registration limited to the advanced student with the approval of the advisor and of the faculty member involved.

0123	Marshini Chetty	Seats (Total: 3)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	
0203	Brian Butler	Seats (Total: 5)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	

INST715 **Knowledge Management**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: LBSC631 or INFM603; or permission of instructor. Restriction: Permission of INFO-College of Information Studies. Credit only granted for: INST715 or LBSC715. Formerly: LBSC715.

Nature, creation, acquisition, and use of knowledge. Strategic role of knowledge in organizations and institutions. Information and knowledge ecology. Structure and functions of knowledge management systems and the role of the Internet and intranets. Knowledge as intellectual capital. Roles of librarians and information professionals in the knowledge economy. Strategic issues and future trends.

SG10	Taverekere Srikantaiah	Seats (Total: 20)
	Meets May 31, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE

INST717 **Internship Practicum in Human-Computer Interactions**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: INST631 and INST632. Recommended: INST701. Restriction: Permission of INFO-College of Information Studies; and must be in Human-Computer Interaction (Master's) program.

Required, supervised experience working in an industry, government, non-profit organization or an educational institution to address a problem in Human-Computer Interaction. Students will spend a minimum of 120 hours working in the agency during the internship.

HY11	Evan Golub	Seats (Total: 20)
	Meets May 31, 2016 - August 19, 2016	
	Contact instructor or department for details.	

INST728N **Special Topics in Information Studies; Introduction to Java Script**

Credits: 1 Grading Method: Regular, Audit

Selected topics in information studies.

SG20	Jennifer Golbeck	Seats (Total: 25)
	Meets July 11, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

INST729E **International Opportunities in Information Studies; Great Cathedral Libraries of England**

Credits: 3 Grading Method: Regular, Audit

Short term, experiential course offered in conjuction with the University's Study Abroad Office, to volunteer, complete a project, or conduct research in a library or information organization outside the U.S. Focus and location varies.

Contact department for information to register for this course.

INST729N **International Opportunities in Information Studies; Namibian Libraries: Developing Services for a Knowledge-Bas ed Economy in Africa**

Credits: 3 Grading Method: Regular, Audit

Short term, experiential course offered in conjuction with the University's Study Abroad Office, to volunteer, complete a project, or conduct research in a library or information organization outside the U.S. Focus and location varies.

Contact department for information to register for this course.

INST729R **International Opportunities in Information Studies; Libraries and Cultural Heritage Institutions of St Petersbu rg**

Credits: 3 Grading Method: Regular, Audit

Short term, experiential course offered in conjuction with the University's Study Abroad Office, to volunteer, complete a project, or conduct research in a library or information organization outside the U.S. Focus and location varies.

Contact department for information to register for this course.

INST799 **Master's Thesis Research**

Credits: 1 Grading Method: Regular, Sat-Fail

0122	Leah Findlater	Seats (Total: 3)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	

0123	Marshini Chetty **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 3)
0129	Susan Winter **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 3)
0223	Marshini Chetty **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 3)
0229	Susan Winter **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 3)

INST810 **Individual Research Experience**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: INST810 or LBSC810. Formerly: LBSC810.

Pre-candidacy individual research experience directed by a faculty member.

Contact department for information to register for this course.

INST898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

INST899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

0101	Jennifer Preece **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 2)
0108	Douglas Oard **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)

0201	Jennifer Preece **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 3)
0208	Douglas Oard **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0217	John Bertot **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)

ISRL Israel Studies Summer 2016

ISRL349X **Investigating Topics in Israel Studies; Conflict Resolution - The Israeli Palestinian Experiment**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, DVUP

Topics in the study of Zionism and contemporary Israel from the 1880's to the present at an intermediate level. Individual sections may address history, politics, or culture.

Also offered as GVPT309X. Credit granted for ISRL349X or GVPT309X. This interactive course provides contending and shared perspectives of the cycles of war and peacebuilding with simulations. Topics include common ground on Jerusalem, Palestinian refugees, Jewish settlements, water, borders and security. Professor Kaufman has been Director of both the Truman Institute for the Advancement of Peace (Hebrew University of Jerusalem) and the Center for International Development and Conflict Management (UMD). He is concurrently teaching in Israel. Professor Hassassian has been Dean and Vice-President of Bethlehem University and is currently Palestinian Ambassador to the United Kingdom. For more information, contact kaufmane@umd.edu. Course preview is available on YouTube and internet: search for 'Israeli Palestinian Team Teaching'.

0501	M. Hassassian, Edward Kaufman **Meets June 20, 2016 - July 8, 2016** MTuWTh 6:00pm - 9:25pm	Seats (Total: 30) TYD 1114
WB51	M. Hassassian, Edward Kaufman **Meets June 20, 2016 - July 8, 2016** Class time/details on ELMs *Students who wish to register for this section after June 6, 2016, please email summer@umd.edu.*	Seats (Total: 40) ONLINE

WB52	M. Hassassian, Edward Kaufman	Seats (Total: 40)
	Meets June 20, 2016 - July 8, 2016	
	MTuWTh 6:00pm - 9:25pm	ONLINE

ITAL Italian Summer 2016

ITAL103 **Intensive Elementary Italian**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Not open to fluent/native speakers of Italian. Credit only granted for: ITAL103 or ITAL121.

Covers speaking, reading, writing, listening, and culture of Italian-speaking world.

SU23	Rebecca La Creta	Seats (Total: 0)
	Meets May 31, 2016 - June 24, 2016	
	Contact instructor or department for details.	

ITAL122 **Accelerated Italian II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HO

Prerequisite: ITAL121; or must have appropriate Foreign Language Placement Test (FLPT) score. Credit only granted for: ITAL203 or ITAL122.

Continuation of ITAL121. Completion of accelerated cycle. May be used to satisfyARHU Global Engagement requirement.

Contact department for information to register for this course.

ITAL169C **Special Topics in Study Abroad I; Italian Conversation**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ITAL169E **Special Topics in Study Abroad I; Elementary Italian I**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ITAL169I **Special Topics in Study Abroad I; Intensive Intermediate Italian I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ITAL169R **Special Topics in Study Abroad I; Introduction to Italian Language and Culture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ITAL169Y **Special Topics in Study Abroad I; Introduction to Italian Language I**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ITAL169Z **Special Topics in Study Abroad I; Introduction to Italian Language II**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ITAL203 **Intensive Intermediate Italian**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit CORE: HO

Prerequisite: ITAL103; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed ITAL122; and must not be a fluent/native speaker of Italian. Credit only granted for: ITAL203 or ITAL122.

Covers speaking, reading, writing, listening, and culture of Italian-speaking world.

Contact department for information to register for this course.

ITAL204 **Review Grammar and Composition**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO

Prerequisite: ITAL203 or ITAL122; or must have appropriate Foreign Language Placement Test (FLPT) score.

An intensive review of major aspects of contemporary grammatical usage; training in comprehension; an introduction to guided composition.

Contact department for information to register for this course.

ITAL207 **Reading and Writing in Italian**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU

Prerequisite: ITAL204; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a fluent/native speaker of Italian.

Culture-based, process approach to reading and writing in Italian; selected grammatical topics.

Contact department for information to register for this course.

ITAL211 **Intermediate Conversation**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO

Prerequisite: ITAL203; or permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Must not be a fluent/native speaker of Italian.

Practice in spoken Italian based on reading and listening exercises in variety of genres. Written assignments and exams.

Contact department for information to register for this course.

ITAL269A **Special Topics in Study Abroad II; Intesive Italian Through Cutlrue: Advanced**

Credits: 6 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ITAL269I **Special Topics in Study Abroad II; Intensive Intermediate Italian I**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ITAL301 **Italian Composition**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ITAL207; or students who have taken courses with comparable content may contact the department.

Techniques of composition; grammatical analysis; various genres; vocabulary.

Contact department for information to register for this course.

ITAL369A **Special Topics in Study Abroad III; Italian Culture I**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ITAL369W **Special Topics in Study Abroad III; Composition and Style**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ITAL431 **Italian Civilization in Translation**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: ITAL431 or ITAL432.

Political, social, intellectual, literary and artistic forces shaping contemporary Italy from the late Middle Ages to the present. Taught in English.

Contact department for information to register for this course.

ITAL471 **Italian Cinema: A Cultural Approach in Translation**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: ITAL471 or ITAL472.

The culture of Italy through the medium of film from the silent days up to the present. Taught in English.

Contact department for information to register for this course.

ITAL499P **Special Topics in Italian Studies; Italian Politics in Film**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

JAPN Japanese Summer 2016

JAPN101 **Elementary Japanese I**

Credits: 6 Grading Method: Regular

Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score.

Introduction to basic patterns of contemporary spoken Japanese and to the two phonetic syllabaries (Katakana and Hiragana).

0101	Makiko Inoue	Seats (Total: 15)
	Meets May 31, 2016 - July 8, 2016	
	MTuWThF 9:30am - 12:30pm	KEY 0117

JAPN102 **Elementary Japanese II**

Credits: 6 Grading Method: Regular

Prerequisite: Minimum grade of C- in JAPN101; or appropriate Foreign Language Placement Test (FLPT) score.

Continued introduction to the basic spoken patterns of contemporary Japanese.

0201	Etsuko Yamakita	Seats (Total: 15)
	Meets July 11, 2016 - August 19, 2016	
	MTuWThF 9:30am - 12:20pm	TWS 0214

JAPN499T **Directed Study in Japanese; Experiencing Japanese Life: Language and Culture in Kyoto a nd Beyond**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

JOUR Journalism Summer 2016

JOUR130 **Self-Presentation in the Age of YouTube**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: FSOC

Credit only granted for: COMM107, COMM200, ENES143, INAG110, JOUR130 or THET285. Additional information: May not count toward the Journalism major.

Students, as they make use of evolving technologies, need to be able to present themselves effectively in front of any number of different audiences through any number of different outlets. Whether in an interview on radio, a guest presentation at a conference, in comments on a video blog, in commentary on TV, in the lead on a self-produced YouTube video, or as spokesperson in front of investors or management, professionals need strong oral communication skills. This class focuses on strengthening those skills through active individual and group presentations, as well as, through discussion of key techniques and group critique of presentation publicly available in the social media space on sites such as YouTube.

0101	Kelly Stepno	Seats (Total: 22)
	Meets May 31, 2016 - July 8, 2016	
	MTuTh 4:00pm - 6:15pm	KNI 1105

JOUR150 **Introduction to Mass Communication**

(Perm req)

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: SB	General Education: DSHS, DSSP

Restriction: Not open to students who have completed JOUR100 prior to Fall 1999. Additional information: Not applicable toward journalism major.

Survey of the functions and effects of the mass media in the United States. A consumer's introduction to newspapers, television, radio, film, sound recording, books, magazines, and new media technology.

YS41	Christine Harvey	Seats (Total: 14)
	Meets July 11, 2016 - July 29, 2016	
	MTuWThF 10:00am - 1:00pm	KNI 2107
	This section is part of Terp Young Scholars. Enrollment by permission only.	

JOUR175 **Media Literacy**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: IE, D	General Education: DSSP, DVUP

Additional information: Not applicable toward journalism major.

An analysis of the information, values and underlying messages conveyed via television, newspapers, the internet, magazines, radio and film. Examines the accuracy of those messages and explores how media shape views of politics, culture and society.

0301	Denitsa Yotova **Meets May 31, 2016 - June 17, 2016** MTuWTh 9:00am - 12:25pm	Seats (Total: 18) KNI 2107
0601	Boya Xu **Meets August 1, 2016 - August 19, 2016** MTuWTh 10:00am - 1:20pm	Seats (Total: 14) KNI 1208
FF61	Boya Xu **Meets August 1, 2016 - August 19, 2016** MTuWTh 10:00am - 1:20pm *Restricted to students in Freshman First. For Program information click here .*	Seats (Total: 11) KNI 1208

JOUR199 **Survey Apprenticeship; Survey Apprenticeship**

(Perm req)

Credits: 1 Grading Method: Sat-Fail

College-monitored experience in approved mass-communications organizations and industries.

I101	Adrianne Flynn **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 50)
I201	Adrianne Flynn **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 50)

JOUR201 **News Writing and Reporting I**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in ENGL101, JOUR181, and JOUR200; and permission of JOUR-Philip Merrill College of Journalism. Restriction: For students intending to be journalism majors; and permission of JOUR-Philip Merrill College of Journalism.

Introduction to news for the print and electronic media, development of new concepts: laboratory in news-gathering tools and writing skills. Students who earned 80% or higher on the JOUR181 diagnostic are exempt from the JOUR181 prerequisite.

0101	Tamara Cooke Henry **Meets May 31, 2016 - July 8, 2016** MTuWThF 12:00pm - 1:40pm	Seats (Total: 18) KNI 2103

JOUR203 **Introduction to Multimedia Skills**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: JOUR201. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism. Credit only granted for: JOUR203 or JOUR328G. Formerly: JOUR328G.

Examining the basics of producing and editing digital photos, video, an audio. Topics include: framing, lighting, and other aspects of composition; sequencing, using wide, medium, and tight shots; and ethical considerations when collecting sound and visuals.

0101	Joshua Davidsburg	Seats (Total: 10)
	Meets May 31, 2016 - July 8, 2016	
	MW 12:15pm - 3:45pm	KNI 2105

JOUR262 **News Videography**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: JOUR203. Also offered as: JOUR603. Credit only granted for: JOUR262 or JOUR603.

Introduction to shooting, editing and production of video stories for broadcast and the Web; includes newsgathering in the field.

0201	Luke Rollins	Seats (Total: 5)
	Meets July 11, 2016 - August 19, 2016	
	MW 10:00am - 1:20pm	TWS 0222B

JOUR328V **Special Topics in News Writing and Reporting; Political Convention Coverage**

(Perm req)

Credits: 1

Grading Method: Regular, Pass-Fail, Audit

Advanced training and practice in writing and reporting news.

Prerequisite: JOUR320 or JOUR360 and permission of instructor. National political conventions happen every four years, and some reporters wait years hoping to get a shot to cover one. This course will provide you with two weeks of preparatory work gathering delegate information from one of the two major parties and turning it into prose, graphics, video, social media, etc. Students will then commit two weeks of convention coverage either on the ground in the convention cities or building graphics and performing research in College Park. Housing in the convention cities, as well as transportation to and from the convention cities will be provided.

WB11	Adrianne Flynn, James Carroll	Seats (Total: 13)
	Meets July 5, 2016 - July 29, 2016	
	Class time/details on ELMs	ONLINE

JOUR352 **Interactive Design and Development**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: JOUR203. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism. Also offered as: JOUR652. Credit only granted for: JOUR352 or JOUR652.

Conceptualize, wireframe, design and build responsive Web pages using html, style sheets and other coding tools; work with open source interactive tools, javascript libraries, multimedia and text to create charts, timelines, maps and other forms of nonfiction storytelling.

0201	Sean Mussenden	Seats (Total: 12)
	Meets July 11, 2016 - August 19, 2016	
	MTuWThF 1:20pm - 3:00pm	KNI 2105

JOUR360 **News Writing and Reporting II: Broadcast**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in JOUR201. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism.

Writing and reporting for broadcast media: production of news stories.

0201	Mary Burns	Seats (Total: 13)
	Meets July 11, 2016 - August 19, 2016	
	TuTh 10:00am - 1:20pm	KNI 2103

JOUR396 **Supervised Internship**

(Perm req)

Credits: 2 Grading Method: Regular

Prerequisite: Must have earned a grade of C- or better in JOUR320 or JOUR360. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism. Credit only granted for: JOUR326, JOUR366, or JOUR396.

Students will complete a minimum of 90 hours in a supervised journalism internship over a minimum of 10 weeks in spring and fall, and eight weeks in summer. Emphasis is on relating academic training to professional experience. Students may pick up an internship proposal form in KNI 1100, have their internship supervisor fill it out, and meet with the college's internship director to receive permission to register. No requests to register after the Schedule Adjustment Period will be granted. This requirement would affect incoming freshmen from the fall 2012 class.

I101	Adrianne Flynn	Seats (Total: 70)
	Meets May 31, 2016 - August 19, 2016	
	Contact instructor or department for details.	

JOUR398 **Independent Study**

Credits: 1-3 Grading Method: Regular

Individual projects in journalism.

Contact department to make arrangements. Consult in JRN 1117 for section code corresponding to faculty member.

Contact department for information to register for this course.

JOUR399 **Supervised Internship**

(Perm req)

Credits: 1 Grading Method: Regular

Supervised news internship experience; relation of academic training to professional experience.

Prerequisite: C or better in JOUR320 or JOUR360.

I101	Adrianne Flynn	Seats (Total: 100)
	Meets May 31, 2016 - August 19, 2016	
	Contact instructor or department for details.	

JOUR434 **Salzburg Seminar: Global Media Literacy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP, DVUP

Restriction: Must be in Salzburg Academy program. Also offered as: JOUR734. Credit only granted for: JOUR434 or JOUR734.

An advanced analysis of the information, values underlying messages conveyed via television, newspapers, the Internet, magazines, radio and film from a cross-cultural perspective. Examines the accuracy of messages and explores how distinctive global media shape views of politics culture and society with nations, across regions and internationally.

Contact department for information to register for this course.

JOUR435 **Salzburg Seminar: Global Change, Global Cooperation**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP, DVUP

Restriction: Must be in Salzburg Academy program. Also offered as: JOUR735. Credit only granted for: JOUR435 or JOUR735.

Practical and theoretical examination of a global problem (or problems) of contemporary importance from a cross-cultural, perspective. Analytical framework used to examine how media shape global problems, events and/or issues regionally.

Contact department for information to register for this course.

JOUR501 **Fundamentals of Writing and Editing**

(Perm req)

Credits: 3 | Grading Method: Regular, Audit

Prerequisite: Permission of JOUR-Philip Merrill College of Journalism.

Principles of news and feature writing. For graduate students with limited prior training or experience in journalism.

0101	Rafael Lorente	Seats (Total: 18)
	Meets May 31, 2016 - July 8, 2016	
	MWTh 9:00am - 11:15am	KNI 2105

JOUR504 **Introduction to Multimedia Skills**

(Perm req)

Credits: 3 | Grading Method: Regular, Audit

Corequisite: JOUR501; or permission of instructor. Restriction: Permission of JOUR-Philip Merrill College of Journalism. Credit only granted for: JOUR504 or JOUR628G. Formerly: JOUR628G.

Examining the basics of producing and editing digital photos, video, an audio. Topics include: framing, lighting, and other aspects of composition; sequencing, using wide, medium, and tight shots; and ethical considerations when collecting sound and visuals.

0101	Joshua Davidsburg	Seats (Total: 8)
	Meets May 31, 2016 - July 8, 2016	
	MW 12:15pm - 3:45pm	KNI 2105

JOUR603 **News Videography**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Prerequisite: JOUR504; and permission of Journalism College required. Restriction: Permission of JOUR-Philip Merrill College of Journalism. Also offered as: JOUR262. Credit only granted for: JOUR503 or JOUR603. Formerly: JOUR503.

Introduction to shooting, editing and production of video stories for broadcast and the Web; includes newsgathering in the field.

0201	Luke Rollins	Seats (Total: 5)
	Meets July 11, 2016 - August 19, 2016	
	MW 10:00am - 1:20pm	TWS 0222B

JOUR628V **Specialized Topics in News Writing and Reporting; Political Convention Coverage**

(Perm req)

Credits: 1

Grading Method: Regular, Audit

Advanced training and practice in writing and reporting news. Repeatabl to a maximum of six credits provided the content differs.

National political conventions happen every four years, and some reporters wait years hoping to get a shot to cover one. This course will provide you with two weeks of preparatory work gathering delegate information from one of the two major parties and turning it into prose, graphics, video, social media, etc. Students will then commit two weeks of convention coverage either on the ground in the convention cities or building graphics and performing research in College Park. Housing in the convention cities, as well as transportation to and from the convention cities will be provided.

WB11	Adrianne Flynn, James Carroll	Seats (Total: 1)
	Meets July 5, 2016 - July 29, 2016	
	Class time/details on ELMs	ONLINE

JOUR652 **Interactive Design and Development**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Corequisite: Offered to students enrolled in the journalism master's degree or certificate. Master's degree students should take JOUR 504 as a pre- or co-requisite. Certificate students are encouraged to take JOUR 604 as a co-requisite. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism. Also offered as: JOUR352. Credit only granted for: JOUR652 or JOUR352.

Conceptualize, wireframe, design and build responsive Web pages using html, style sheets and other coding tools; work with open source interactive tools and javascript libraries to create charts, timelines and maps to tell stories.

0201	Sean Mussenden	Seats (Total: 6)
	Meets July 11, 2016 - August 19, 2016	
	MTuWThF 1:20pm - 3:00pm	KNI 2105

JOUR660 **Broadcast News Writing**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: JOUR501. Credit only granted for: JOUR660 or JOUR760. Formerly: JOUR760.

Descriptive and critical analysis of broadcast news; methods of evaluation of news judgments; decision-making and organizational aspects of the broadcast news industry.

0201	Mary Burns	Seats (Total: 5)
	Meets July 11, 2016 - August 19, 2016	
	TuTh 10:00am - 1:20pm	KNI 2103

JOUR698 **Special Problems in Communication**

Credits: 1-3 Grading Method: Regular, Audit

Independent study in area of the student's interest.

Contact department for information to register for this course.

JOUR734 **Salzburg Seminar: Global Media Literacy**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in Salzburg Academy program. Also offered as: JOUR434. Credit only granted for: JOUR434 or JOUR734.

An advanced analysis of the information, values and underlying messages conveyed via television, newspapers, the Internet, magazines, radio and film from a cross-cultural perspective. Examines the accuracy of messages and explores how distinctive global media shape view of politics, culture and society within nations, across regions and internationally.

Contact department for information to register for this course.

JOUR735 **Salzburg Seminar: Global Change, Global Cooperation**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in Salzburg Academy program. Also offered as: JOUR435. Credit only granted for: JOUR435 or JOUR735.

Practical and theoretical examination of a global problem (or problems) of contemporary importance from a cross-cultural, perspective. Analytical framework used to examine how media shape global problems, events and/or issues regionally.

Contact department for information to register for this course.

JOUR798 **Master's Professional Fieldwork**

Credits: 1-6 Grading Method: Sat-Fail

Research for and preparation of news articles or programs for use in th media. Analysis of fieldwork experience using communication theory and research results. Fieldwork may be done independently or as an internship. Repeatable to a maximum of six credits.

Contact department for information to register for this course.

JOUR799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

JOUR888 **Doctoral Professional Field Work**

Credits: 3-9 Grading Method: Regular, Audit

Critical analysis of a phase of a professional field in journalism and public communication. Analysis of professional activity through personal observation. Evaluation of the purpose, process, effectiveness, and efficiency of professional activity. Recommendations for training and further research.

Contact department for information to register for this course.

JOUR889 **Doctoral Tutorial in Journalism and Public Communication**

Credits: 3-9 Grading Method: Regular, Audit

Individual research in journalism and public communication.

Contact department for information to register for this course.

JOUR898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

JOUR899 **Doctoral Dissertation Research in Journalism and Mass Communication**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

JWST Jewish Studies Summer 2016

JWST219O **Special Topics in Jewish Studies; Jewish Languages in America**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU, DVCC

Also offered as HEBR298O. Credit granted for JWST219O or HEBR298O. Students will explore the history and current use of a variety of languages and dialects in the American Jewish community. They will analyze how language affects identity and the relationships to the majority group, as well as within the cultural group.

WB11	Avital Feuer	Seats (Total: 40)
	Meets May 31, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE

JWST369A **Special Topics in Study Abroad III; The Holocaust: 20th Century Jewish Thought**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

JWST369T **Special Topics in Study Abroad III; The Archaeological Exploration of Tel Burna**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

JWST699 **Independent Graduate Readings in Jewish Studies**

Credits: 1 Grading Method: Regular

Independent readings or guided research in a field of Jewish Studies with a member of the Jewish Studies graduate faculty.

Contact department for information to register for this course.

KNES Kinesiology Summer 2016

KNES131V **Physical Education Activities: Coed; Beginning Jogging**

Credits: 2 Grading Method: Regular, Pass-Fail

WB11	Andrew Ginsberg	Seats (Total: 40)	
	Meets May 31, 2016 - July 8, 2016		
	Class time/details on ELMs	ONLINE	

KNES134O **Physical Education Activities: Coed; Bowling (Intermediate)**

Credits: 1 Grading Method: Regular, Pass-Fail

Attendance is required the first day of class. Students must pay a $40 facility fee plus bowling shoes are required.

0401	Kevin Guard	Seats (Total: 40)	
	Meets July 11, 2016 - July 29, 2016		
	MTuWThF 8:00am - 10:00am	SSU B0106C	Lab

KNES137N **Physical Education Activities: Coed; Golf (Beginning)**

Credits: 1 Grading Method: Regular, Pass-Fail

Attendance is required beginning the first day of class. Students must pay a $40 instructional materials fee.

0401	Jeff Maynor	Seats (Total: 24)	
	Meets July 11, 2016 - July 29, 2016		
	MTuWThF 9:00am - 11:00am	GLF 1102	Lab

KNES146D **Physical Education Activities: Coed; Scuba Diving (Beginner)**

Credits: 2 Grading Method: Regular, Pass-Fail

Prerequisite: Basic swimming ability. Attendance on the first day of class is required of all students. Students must pay a $40 instructional materials fee. Students will also be expected to pass a medical examination; details can be obtained by the instructor in advance of class.

0102	Les Burke	Seats (Total: 20)	
	Meets May 31, 2016 - July 8, 2016		
	MW 6:00pm - 8:30pm	ERC B0136	Lab

KNES157N **Physical Education Activities: Coed; Weight Training (Beginning)**

Credits: 1 Grading Method: Regular, Pass-Fail

Attendance is required beginning the first day of class. Students must pay $40 instructional materials fee.

0201	Calvin Lu	Seats (Total: 15)	
	Meets July 11, 2016 - August 19, 2016		
	MTuWTh 1:00pm - 2:20pm	SPH 0103	Lab

KNES157O **Physical Education Activities: Coed; Weight Training (Intermediate)**

Credits: 1 Grading Method: Regular, Pass-Fail

Attendance is required beginning the first day of class. Students must pay $40 instructional materials fee.

0201	Calvin Lu	Seats (Total: 20)	
	Meets July 11, 2016 - August 19, 2016		
	MTuWTh 1:00pm - 2:20pm	SPH 0103	Lab

KNES161T **Physical Education Activities: Coed; Yoga (Beginning)**

Credits: 1 Grading Method: Regular, Pass-Fail

Attendance is required beginning the first day of class. Students must pay $40 instructional materials fee.

0101	Anne Contee	Seats (Total: 35)	
	Meets May 31, 2016 - July 8, 2016		
	MWF 9:00am - 11:00am	SPH 0107	Lab

KNES200 **Introduction to Kinesiology**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in Kinesiology program; and freshman standing. Or must not be in Kinesiology program; and must have less than 60 credits. Credit only granted for: KNES200 or KNES289M.

An overview of kinesiology, the interdisciplinary study of physical activity. Examines human motor behavior and its cultural forms such as sport from the physiological, psychological, sociological, historical, philosophical, and biomechanical perspectives.

YS41	Jo Zimmerman	Seats (Total: 30)	
	Meets July 11, 2016 - July 29, 2016		
	MTuWThF 9:30am - 12:00pm	SPH 1312	
	TuTh 1:00pm - 4:00pm	SPH 0124	Lab
	This section is part of Terp Young Scholars. Enrollment by permission only.		

KNES201 **Kinesiological Principles of Physical Activity**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Corequisite: Any physical activity course, e.g., KNES 100-190; or permission of SPHL-Kinesiology department. Restriction: Must be in a major in SPHL-School of Public Health. Credit only granted for: KNES200 or KNES201.

An introduction to Kinesiology, the study of human movement, through the experience of learning a specific motor skill or being engaged in physical activity. Emphasis on the theories and knowledge underlying the learning and performance of all motor and sport skills.

WB11	Jo Zimmerman	Seats (Total: 40)
	Meets May 31, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE
WB41	Calvin Lu	Seats (Total: 30)
	Meets July 11, 2016 - July 29, 2016	
	Class time/details on ELMs	ONLINE

KNES260 **Science of Physical Activity and Cardiovascular Health**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: LS General Education: DSNS

Course details (1) the public health importance of and the processes underlying cardiovascular disease, (2) the risk factors for cardiovascular disease and the methods whereby they were identified, and (3) the principles of the scientific evidence supporting the use of physical activity to prevent cardiovascular disease.

WB21	James Hagberg	Seats (Total: 50)
	Meets July 11, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

KNES287 **Sport and American Society**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB, D | General Education: DSHS, DVUP

Sport will be related to such social problems as delinquency, segregation, collective behavior, and leisure; to social processes such as socialization, stratification, mobility, and social control; and to those familiar social institutions the family, the school, the church, the military, the economy, the polity, and the mass media.

FF61	Adam Beissel	Seats (Total: 15)	
	Meets August 1, 2016 - August 19, 2016		
	MTuWTh 10:50am - 11:50am Class time/details on ELMs	SPH 1301 ONLINE	Discussion
	Restricted to students in Freshman First. For Program information click here . This is a hybrid section that meets face-t o-face and has an online component.		
HY61	Adam Beissel	Seats (Total: 25)	
	Meets August 1, 2016 - August 19, 2016		
	MTuWTh 10:50am - 11:50am Class time/details on ELMs	SPH 1301 ONLINE	Discussion
	This is a hybrid section that meets face-to-face and has an online component.To register for this course after July 16, 2016, e-mail summer@umd.edu.		
WB11	David Andrews	Seats (Total: 75)	
	Meets May 31, 2016 - July 8, 2016		
	Class time/details on ELMs	ONLINE	

KNES289 **Topical Investigations**

(Perm req)

Credits: 1-3 | Grading Method: Regular

Independent study by an individual student or a group of students in special areas of knowledge not covered by regularly scheduled courses.

Contact department for information to register for this course.

KNES293 **History of Sport in America**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH | General Education: DSHS

The growth and development of sport in America. The transformation of sport within the perspective of American history, including class sport, professionalization, amateurism, and international involvement.

WB31	Samuel Clevenger **Meets May 31, 2016 - June 17, 2016** Class time/details on ELMs	Seats (Total: 75) ONLINE	
WB61	Samuel Clevenger **Meets August 1, 2016 - August 19, 2016** Class time/details on ELMs *To register for this course after July 15, 2016, e-mail summer@umd.edu.*	Seats (Total: 75) ONLINE	

KNES300 **Biomechanics of Human Motion**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in BSCI201. And 1 course with a minimum grade of C- from (MATH112, MATH113, MATH115); or (must have completed one General Education: Fundamental Studies-Math course with a minimum grade of C-; and must have math eligibility of MATH140 or higher). Recommended: PHYS121. Restriction: Must be in a major within SPHL-Kinesiology department.

The study of human movement and the physical and physiological principles upon which it depends. Body mechanics, posture, motor efficiency, sports, the performance of a typical individual and the influence of growth and development upon motor performance.

Students must pay a $50 laboratory fee.

0201	Ross Miller **Meets July 11, 2016 - August 19, 2016** MW 2:00pm - 5:00pm MW 10:00am - 1:00pm	Seats (Total: 23) SPH 1303 SPH 0223	 Lab
0202	Ross Miller **Meets July 11, 2016 - August 19, 2016** MW 2:00pm - 5:00pm MW 10:00am - 1:00pm	Seats (Total: 22) SPH 1303 SPH 0124	 Lab

KNES334 **Adapted Physical Activity: Empowering People with Disabilities to Lead a Healthy and Active Lifestyle.**

Credits: 3 Grading Method: Regular, Pass-Fail General Education: DSSP, DVUP

Credit only granted for: KNES498L or KNES334. Formerly: KNES498L.

Study of the field of adapted physical activity and its impact on the health and wellness of individuals with disabilities. Students will design an adapted physical activity program proposal and develop the skills needed to empower people with disabilities to participate in physical activity and sports programs and to lead active lifestyles.

WB11	Ana Palla	Seats (Total: 50)
	Meets May 31, 2016 - June 24, 2016	
	Class time/details on ELMs	ONLINE
WB61	Ana Palla	Seats (Total: 50)
	Meets August 1, 2016 - August 23, 2016	
	Class time/details on ELMs	ONLINE
	To register for this course after July 15, 2016, e-mail summer@umd.edu.	

KNES350 **The Psychology of Sports**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS

An exploration of personality factors, including but not limited to motivation, aggression and emotion, as they affect sports participation and motor skill performance.

WB21	J Carson Smith	Seats (Total: 75)
	Meets July 11, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

KNES360 **Physiology of Exercise**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in BSCI202 and BSCI201; or permission of SPHL-Kinesiology department. Restriction: Must be in one of the following programs (Kinesiology; Public Health Science).

A study of the physiology of exercise, including concepts of work, muscular contraction, energy transformation, metabolism, oxygen debt, and nutrition and athletic performance. Emphasis on cardiovascular and respiratory function in relation to physical activity and training.

Students must pay a $50 laboratory fee. Please note, for Summer Term 2016, restrictions will not apply.

0101	Rosemary Lindle	Seats (Total: 20)	
	Meets May 31, 2016 - July 8, 2016		
	Class time/details on ELMs	ONLINE	
	TuTh 10:00am - 12:00pm	SPH 0124	Lab

0102	Rosemary Lindle **Meets May 31, 2016 - July 8, 2016** Class time/details on ELMs TuTh 4:00pm - 6:00pm	Seats (Total: 20) ONLINE SPH 0124	 Lab
0103	Rosemary Lindle **Meets May 31, 2016 - July 8, 2016** Class time/details on ELMs TuTh 1:00pm - 3:00pm	Seats (Total: 20) ONLINE SPH 0124	 Lab
0104	Rosemary Lindle **Meets May 31, 2016 - July 8, 2016** Class time/details on ELMs TuTh 8:00am - 10:00am	Seats (Total: 20) ONLINE SPH 0124	 Lab

KNES370 **Motor Development**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in a major within SPHL-Kinesiology department.

Motor development across the life span. The developmental sequences of motor skills from birth to old age; neuromaturation of neuromuscular system; analysis of the underlying mechanisms of motor skill development; and correlates of motor development.

Please note, for Summer Term 2016, restrictions will not apply.

WB31	Yue Du **Meets May 31, 2016 - June 17, 2016** Class time/details on ELMs	Seats (Total: 50) ONLINE	

KNES385 **Motor Control and Learning**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in a major within SPHL-Kinesiology department.

Physiological and cognitive bases for motor control and their applications to the acquisition of movement skills and understanding of movement disorders. Topics include: neurophysiology, motor control theory, sensory/perceptual processes, perception-action coupling, information processing, memory, attention, individual differences, motivation, practice organization and role of feedback.

Please note, for Summer Term 2016, restrictions will not apply.

WB21	Tim Kiemel **Meets July 11, 2016 - August 19, 2016** Class time/details on ELMs Contact instructor or department for details.	Seats (Total: 50) ONLINE

KNES389 **Topical Investigations**

(Perm req)

Credits: 1-3 Grading Method: Regular

Independent study by an individual student or a group of students in special areas of knowledge not covered by regularly scheduled courses.

Contact department for information to register for this course.

KNES389K **Topical Investigations; Kinesiological Sciences Internship**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail

Independent study by an individual student or a group of students in special areas of knowledge not covered by regularly scheduled courses.

Prerequisite: KNES major and relevant KNES major classes.

Contact department for information to register for this course.

KNES462 **Neural Basis of Human Movement**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI202, KNES385, and BSCI201; or permission of SPHL-Kinesiology department.

An introduction to the neural substrates which underlie postural and volitional movement. Neuroanatomical and neurophysiological basis of motor functioning; past and present conceptualizations of motor control and coordination; movement disorders; and maturation of the neuromuscular system.

WB11	Rodolphe Gentili **Meets May 31, 2016 - July 8, 2016** Class time/details on ELMs	Seats (Total: 45) ONLINE

KNES485 **Sport and Globalization**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DVUP

Prerequisite: KNES287. Restriction: Junior standing or higher. Credit only granted for: KNES485 and KNES498T.

Examination of sport culture from a global perspective; focuses on theorizing the similarities and differences between various national sporting cultures.

WB11	Adam Beissel	Seats (Total: 50)
	Meets May 31, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE

KNES497 **Kinesiology Senior Seminar**

(Perm req)

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: CS | General Education: DSSP

Prerequisite: A professional writing course with a minimum grade of C-; and all 7 KNES core courses and 2 KNES option courses. And STAT100; or students who have taken courses with comparable content may contact the department. And minimum grade of C- in KNES400; or must be concurrently enrolled in KNES400. Restriction: Senior standing or higher; and must be in Kinesiology program.

Discussions of contemporary issues vital to the discipline, critiques of research in the student's area/areas of special interest, completion of a major project where the student will be asked to demonstrate the ability to carry out investigative processes in problem solving and critical writing under faculty direction.

Summer enrollment is by permission only. Please contact an advisor (advisingknes@umd.edu) if you are interested in enrolling in Kinesiology Senior Seminar.

Click here for more information.

0102	Adam Beissel	Seats (Total: 8)
	Meets May 31, 2016 - August 19, 2016	
	Contact instructor or department for details.	
	Qualitative Research for Sport and Physical Culture.	
0106	Joanne Klossner	Seats (Total: 6)
	Meets May 31, 2016 - August 19, 2016	
	Contact instructor or department for details.	
	Hot Topics in Sports Medicine	
0109	Jo Zimmerman	Seats (Total: 6)
	Meets May 31, 2016 - August 19, 2016	
	Contact instructor or department for details.	
	Exercise & Brain Health: From Psychobiology to Behavior.	

KNES498 **Special Topics in Kinesiology; Special Topics in Kinesiology**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics of special interest in areas not covered by regularly scheduled courses.

Contact department for information to register for this course.

KNES498Q **Special Topics in Kinesiology; Quantitative Methods in Cognitive Motor Behavior (Matlab programming) Introduction to Computer Programming**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics of special interest in areas not covered by regularly scheduled courses.

0201	Hyuk Oh	Seats (Total: 6)
	Meets July 11, 2016 - August 19, 2016	
	MWF 3:00pm - 5:30pm	SPH 0223

KNES689 **Special Problems in Kinesiology**

(Perm req)

Credits: 1-4 Grading Method: Regular

Master or doctoral candidates who desire to pursue special research problems under the direction of their advisor may register for 1-6 hours of credit under this number.

Contact department for information to register for this course.

KNES689E **Special Problems in Kinesiology; Elementary Physical Education Content Development**

Credits: 3 Grading Method: Regular, Audit

Master or doctoral candidates who desire to pursue special research problems under the direction of their advisor may register for 1-6 hours of credit under this number.

Contact department for information to register for this course.

KNES689I **Special Problems in Kinesiology; Teaching Secondary Physical Education**

Credits: 3 Grading Method: Regular, Audit

Master or doctoral candidates who desire to pursue special research problems under the direction of their advisor may register for 1-6 hours of credit under this number.

A focus on content development and implementation, teacher effectiveness grounded in data analysis, and assessment of student learning in middle and secondary schools.

Contact department for information to register for this course.

KNES689R **Special Problems in Kinesiology; Quantitative Methods in Cognitive Motor Behavior (Matlab programming) Introduction to Computer Programming**

Credits: 3 Grading Method: Regular, Audit

Master or doctoral candidates who desire to pursue special research problems under the direction of their advisor may register for 1-6 hours of credit under this number.

0201	Hyuk Oh	Seats (Total: 15)
	Meets July 11, 2016 - August 19, 2016	
	MWF 3:00pm - 5:30pm	SPH 0223

KNES689V **Special Problems in Kinesiology; Teaching Elementary Physical Education**

Credits: 3 Grading Method: Regular, Audit

Master or doctoral candidates who desire to pursue special research problems under the direction of their advisor may register for 1-6 hours of credit under this number.

A focus on developmentally appropriate content development and implementation, navigating the instructional, managerial and social task systems using effective teaching behaviors and enhancing student learning through an interdisciplinary approach in elementary schools.

Contact department for information to register for this course.

KNES785 **Internship in Physical Activity and Public Health**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: KNES600, EPIB610, EPIB650, HLSA601, HLTH665, MIEH600, and KNES601. Recommended: KNES602.

The internship is a time-limited, supervised period of public/community health activities carried out in a health or allied health organization involved with physical activity. Students gain practical experience in areas such as program planning and implementation, program evaluation, public policy analysis, research, and management.

0101	James Hagberg	Seats (Total: 1)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	

KNES789 **Advanced Projects in Kinesiology**

Credits: 1-3 Grading Method: Regular

Advanced projects examining current problems and trends in kinesiology.

Contact department for information to register for this course.

KNES789Z **Advanced Projects in Kinesiology; Professional Development and Capstone**

Credits: 3 Grading Method: Regular

Advanced projects examining current problems and trends in kinesiology.

Examines current scholarship on professional development for K-12 teachers, characteristics of good professional development, and its relationship to teaching, learning, and school improvement.Outreach Secondary MCERT-KNES. Departmental Permission Required.

Contact department for information to register for this course.

KNES798 **Internship in Physical Education/Sports Management**

Credits: 1-8 Grading Method: Regular, Audit

Practical application of previously acquired skills and knowledge in a sport and/or physical education setting. Emphasis on selected experiences to enhance the total academic program of the student. The internship site assignment will depend upon student's background and career goals.

Contact department for information to register for this course.

KNES799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

KNES898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

0101	James Hagberg **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 20)
0201	James Hagberg **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 20)

KNES899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

LARC Landscape Architecture Summer 2016

LARC151 **Urban Agriculture: Designing and Assessing Edible Landscapes**

Credits: 3 | Grading Method: Regular | General Education: DSSP, SCIS

Students will examine the growing development of urban agriculture and edible landscapes. Urban agriculture has seen a recent growth and interest in cities across the globe. From Paris to New York, from Baltimore to Detroit, urban agriculture is an emerging land use to address a variety of needs. Redevelopment, food deserts, community engagement and environmental justice are just some of the issues and topics that are connected to the recent growth of urban agriculture. This course will take a critical examination of urban agriculture's contribution to the food system, its input and outputs in the urban landscape, and the planning and design of urban agriculture and edible landscapes.

WB41	Victoria Chanse	Seats (Total: 10)
	Meets July 11, 2016 - July 29, 2016	
	Class time/details on ELMs	ONLINE

LARC160 **Introduction to Landscape Architecture**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO | General Education: DSHU, DSSP

History, theory, philosophy and current practice of the profession of landscape architecture. Explores the interactive relationship between humans and their environment by examining people's perceptions of and changing attitude towards the landscape, as well as, an examination of how these are related to ecological and cultural influences.

WB11	Kelly Cook	Seats (Total: 20)
	Meets May 31, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE

LARC188A **Special Topics in Landscape Architecture; Italy Landscape Architecture, Architecture and Music**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

A lecture course for students interested in Landscape Architecture to cover topics not formally taught in existing courses. An introductory class on a group of closely-related topics for students with an interest in this discipline.

Contact department for information to register for this course.

LARC451 **Sustainable Communities**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Explores concepts, strategies and examples of community design which address the needs of a growing population while preserving the environment and its resources.

Contact department for information to register for this course.

LARC471 **Capstone Studio: Community Design**

Credits: 5 Grading Method: Regular, Pass-Fail, Audit CORE: CS

Prerequisite: LARC440; and LARC470. Restriction: Senior standing; and must be in Landscape Architecture program.

A capstone experience that emphasizes the integration of critical thinking skills and methodologies introduced throughout the landscape architecture curriculum. Students apply design and analysis methodologies, evaluate alternative solutions, involve community residents and engage in final design development, using the master plan and site design process, report writing, and oral and graphic presentations. Final presentations are open to the university and the community.

Contact department for information to register for this course.

LARC489A **Special Topics in Landscape Architecture; Italy: Architecture and Music**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit according to time scheduled and organization of course. A lecture and/or studio course organized as an in-depth study of a selected specialization of landscape architecture not covered by existing courses.

Contact department for information to register for this course.

LARC489C **Special Topics in Landscape Architecture**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Credit according to time scheduled and organization of course. A lecture and/or studio course organized as an in-depth study of a selected specialization of landscape architecture not covered by existing courses.

Contact department for information to register for this course.

LARC499 **Independent Studies in Landscape Architecture**

(Perm req)

Credits: 1-4 Grading Method: Regular, Pass-Fail, Audit

Independent studies in landscape architecture including field, studio o library research under the direction of a faculty member.

Contact department for information to register for this course.

LARC799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular

Development of a terminal thesis on a problem in landscape architecture, designed to demonstrate comprehensive skills and knowledge achieved in the graduate program. The subject will be selected in consultation with an advisor and periodically reviewed with a committee headed by the advisor.

Contact department for information to register for this course.

LBSC Library Science Summer 2016

LBSC611 **History of the Book**

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of INFO-College of Information Studies. Credit only granted for: LBSC611 or LBSC078B. Formerly: LBSC708B.

Introduction to the history and development of the book from pre-printing and incunabula to the post-modern book. Book illustration; publishing; collecting.

0201	Stephen Greenberg	Seats (Total: 25)
	Meets July 11, 2016 - August 19, 2016	
	MW 6:00pm - 9:15pm	HBK 2119

LBSC622 **Information and Universal Usability**

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of INFO-College of Information Studies.

Information services and technologies to provide equal experiences and outcomes to all users. Laws, standards, approaches, component concepts, access needs, and technologies in relation to physical and online information environments.

SG10	Mega Subramaniam	Seats (Total: 20)
	Meets May 31, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

LBSC631 **Achieving Organizational Excellence**

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of INFO-College of Information Studies. Credit only granted for: LBSC631 or LBSC635.

Overview of the principles, practices, and techniques required for effective leadership and management. The innovative strategies, management responsibilities, and skills needed to achieve and sustain high organizational performance in information-based cultural institutions.

SG10	Bruce Dearstyne	Seats (Total: 20)
	Meets May 31, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

LBSC646 **Literature and Materials for Young Adults**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of INFO-College of Information Studies. Credit only granted for: LBSC646 or LBSC746. Formerly: LBSC746.

Survey of literature and other materials for older children and adolescents. Criteria for evaluating and using such materials as they relate to the needs, interests, reading abilities, and other capabilities of young readers.

SG10	Deborah Taylor	Seats (Total: 20)
	Meets May 31, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

LBSC707 **Field Study in Library Service**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: LBSC601, LBSC650, LBSC670, and LBSC690; and must have completed 12 additional credits. Restriction: Permission of INFO-College of Information Studies.

Supervised experience within library operations and/or the opportunity to perform a study to solve a specific problem in a suitable library or other information agency.

SG10	Rocco Debonis	Seats (Total: 20)
	Meets May 31, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

LBSC709 **Independent Study**

Credits: 1-3 Grading Method: Regular, Audit

Intensive individual study, reading, or research in an area of specialized interest under faculty supervision.

Contact department for information to register for this course.

LBSC775 **Indexing, Abstracting and Thesaurus Construction**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: LBSC671; or permission of instructor. Restriction: Permission of INFO-College of Information Studies.

Fundamentals of indexing, abstracting, and thesaurus construction in theory and practice, including: the formation of vocabularies; construction of a thesaurus; systems of indexing; effects of systems upon information retrieval; style and format of abstracts; evaluation of abstracting services; and requirements of users of abstracts. The design and construction of index languages/thesauri and analysis and evaluation of existing index languages/thesauri. Discussion of currently available indexing software packages.

HY11	Taverekere Srikantaiah	Seats (Total: 25)
	Meets May 31, 2016 - July 8, 2016	
	F 1:00pm - 5:00pm Class time/details on ELMs	Location: TBA ONLINE
	Class will meet June 3rd from 1:00 pm to 5:00 pm in HBK 4115.	

LBSC791 **Designing Principled Inquiry**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: LBSC671, LBSC602, and LBSC631; and additional 15 credits in LBSC course work. Restriction: Permission of INFO-College of Information Studies.

Critical analysis of roles of information professions and institutions in integrating theory, methods, practice, policies, and values of the field, and applying them to the design of future information systems and services.

SG10	Ursula Gorham-Oscilowski	Seats (Total: 21)
	Meets May 31, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

LGBT Lesbian Gay Bisexual Transgender Studies — Summer 2016

LGBT200 **Introduction to Lesbian, Gay, Bisexual, and Transgender Studies**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: SB, D	General Education: DSHS, DVUP

Credit only granted for: LGBT200.

An interdisciplinary study of the historical and social contexts of personal, cultural and political aspects of LGBT life. Sources from a variety of fields, such as anthropology, history, psychology, sociology, and women's studies, focusing on writings by and about LGBT people.

WB11	Avery Dame	Seats (Total: 30)
	Meets May 31, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE

LGBT265 **Lesbian, Gay, Bisexual, and Transgender Literatures**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: HL, D	General Education: DSHU, DVUP

Restriction: Must not have completed ENGL265. Also offered as: ENGL265. Credit only granted for: ENGL265 or LGBT265.

Exploration of literary and cultural expressions of sexuality and gender. Study of a range of historical periods and literary genres, such as essay, poetry, novel, drama, film. Topics include sexual norms and dissidence, gender identity and expression, the relationship between aesthetic forms and sexual subjectivity. Interpretation of texts particularly through the lens of queer theory. Examination of how sex and gender intersect with other forms of difference, including race and class.

WB21	Emily Perez	Seats (Total: 20)
	Meets July 11, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

LGBT327 **Lesbian, Gay, Bisexual, and Transgender Film and Video**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	, D	General Education: DSHU, DVUP

Restriction: Junior standing or higher.

Comparative analysis of forms, themes, and the politics of representation in film and video by and/or about LGBT people.

Also offered as ENGL359F. Credit granted for LBGT327 or ENGL359F.

WB21	James Goodwin	Seats (Total: 30)
	Meets July 11, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

LING Linguistics Summer 2016

LING200 **Introductory Linguistics**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS

Credit only granted for: HESP120 or LING200. Additional information: Does not count toward the Linguistics major and does not fulfill prerequisite requirements for all upper-level courses.

An exploration of the nature of human language, designed for non-majors Introduction to the basic concepts and methodology of modern linguistic analysis (sound systems, word formation, sentence structure). Additional topics may include: semantics, pragmatics, social aspects of language, dialects, language change, acquisition, writing systems, typology, language universals, comparison with other communication systems, etc.

0101	Zachary Stone	Seats (Total: 25)
	Meets May 31, 2016 - July 8, 2016	
	MTuWThF 11:00am - 12:20pm	TLF 1101

LING240 **Language and Mind**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO | General Education: DSHU

Additional information: Required for Linguistics majors and recommended for students in related fields.

The study of language as a cognitive phenomenon. Focus on mastering the concepts and technical skills required for further courses in linguistics. Ways of representing people's knowledge of their native language, ways in which that knowledge is attained naturally by children, and how it is used in speaking and listening. Additional topics may include: animal communication, language and the brain, language and thought.

0201	Michael Fetters	Seats (Total: 25)
	Meets July 11, 2016 - August 19, 2016	
	MTuWThF 9:30am - 10:50am	TLF 1101

LING499 **Directed Studies in Linguistics**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Independent study or research on language under the supervision of a faculty member.

Contact department for information to register for this course.

LING689 **Independent Study**

Credits: 1-3

Grading Method: Regular, Audit

Independent studies in grammatical theory.

0101	Instructor: TBA **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 2)
0201	Instructor: TBA **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 2)

LING698 **Directed Study**

(Perm req)

Credits: 3

Grading Method: Regular

Contact department for information to register for this course.

LING798 **Research Papers in Linguistics**

Credits: 1-6

Grading Method: Regular, Audit

Contact department for information to register for this course.

LING799 **Master's Thesis Research**

(Perm req)

Credits: 1-6

Grading Method: Regular

Contact department for information to register for this course.

LING889 **Directed Research**

(Perm req)

Credits: 1-8

Grading Method: Regular

Contact department for information to register for this course.

LING895 **Doctoral Research Paper**

(Perm req)

Credits: 6

Grading Method: Regular

0101	Instructor: TBA **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 2)
0117	Ellen Lau **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0201	Instructor: TBA **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 2)
0217	Ellen Lau **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)

LING896 **Research Paper in Minor Area**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: LING895.

This course is designed to strengthen the students' ability to do research in a minor area of expertise, and to help them create a publishable piece. In addition, the course constitutes part of a set of requirements to advance to doctoral candidacy.

0101	Instructor: TBA **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 1)
0201	Instructor: TBA **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 1)

LING898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

LING899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

MATH Mathematics Summer 2016

MATH110 **Elementary Mathematical Models**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: FSMA

Prerequisite: Must have math eligibility of MATH110 or higher; and math eligibility is based on Math Placement Exam or successful completion of MATH003 with appropriate eligibility. Restriction: Not open to students majoring in mathematics, engineering, business, life sciences, and the physical sciences;; and must not have completed MATH120, MATH130, or MATH140; and must not have completed MATH220; and must not have completed any MATH or STAT course with a prerequisite of MATH120, MATH130, MATH140 or MATH220. Credit only granted for: MATH107, MATH110, MATH112, or MATH113.

Topics include simple and compound interest; recursion for computing balances; installment loans and amortization; approximating data by linear models; analysis of applications to real-world collections of data; probability; conditional probability; independence; expected value; graphing and analysis of systems of inequalities; linear programming and applications.

0201	Asia Wyatt **Meets July 11, 2016 - August 19, 2016** MTuWThF 11:00am - 12:20pm	Seats (Total: 20) MTH 0307
XA21	Asia Wyatt **Meets July 11, 2016 - August 19, 2016** MTuWThF 11:00am - 12:20pm	Seats (Total: 13) MTH 0307

MATH111 **Introduction to Probability**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: MS | General Education: FSMA

Prerequisite: Must have math eligibility of MATH111 or higher; and math eligibility is based on Math Placement Exam or successful completion of MATH003 with appropriate eligibility. Or MATH110. Restriction: Not open to students majoring in mathematics, engineering or the physical sciences; and must not have completed STAT100; and must not have completed any MATH or STAT course with a prerequisite of MATH141. Credit only granted for: MATH107, MATH111 or STAT100.

Logic, Boolean algebra, counting, probability, random variables, expectation, applications of the normal probability distribution.

0101	Instructor: TBA **Meets May 31, 2016 - July 8, 2016** MTuWThF 8:00am - 9:20am	Seats (Total: 20) MTH B0423
0102	Xia Li **Meets May 31, 2016 - July 8, 2016** MTuWThF 9:30am - 10:50am	Seats (Total: 20) MTH B0423
0201	Jesse Milzman **Meets July 11, 2016 - August 19, 2016** MTuWThF 9:30am - 10:50am	Seats (Total: 20) MTH 0409

MATH113 **College Algebra and Trigonometry**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: FSMA

Prerequisite: Must have math eligibility of MATH113 or higher; and math eligibility is based on the Math Placement Exam or the successful completion of MATH 003 with appropriate eligibility. Restriction: Must not have completed MATH120, MATH140, MATH112, MATH115, or MATH130; and must not have completed any course with a prerequisite of MATH120, MATH130, MATH140 or MATH220; and must not have completed MATH220. Credit only granted for: Students who have credits for MATH113 may not also receive credits for MATH107, MATH110, MATH112, or MATH115.

Topics include elementary functions including graphs and applications of: polynomial, rational, exponential, and logarithmic functions. Systems of equations and applications. Trigonometric functions: angle and radian measure, graphs and applications.

0101	Karen McLaren **Meets May 31, 2016 - July 8, 2016** MTuWThF 11:00am - 12:20pm	Seats (Total: 25) MTH B0425
0201	Danielle Middlebrooks **Meets July 11, 2016 - August 19, 2016** MTuWThF 11:00am - 12:20pm	Seats (Total: 25) MTH 0411

MATH115 **Precalculus**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: FSMA

Prerequisite: Must have math eligibility of MATH115 or higher; and math eligibility is based on the Math Placement Exam or the successful completion of MATH003 with appropriate eligibility. Or MATH113. Restriction: Must not have completed MATH140; and must not have completed any MATH or STAT course with a prerequisite of MATH140. Credit only granted for: Students who have credits for MATH115 may not also receive credits for MATH112 or MATH113.

Preparation for MATH220, MATH130 or MATH140. Elementary functions and graphs: polynomials, rational functions, exponential and logarithmic functions, trigonometric functions. Algebraic techniques preparatory for calculus.

0101	Weikun Wang **Meets May 31, 2016 - July 8, 2016** MTuWThF 11:00am - 12:20pm	Seats (Total: 20) MTH 0403
0201	Daniel Kaufman **Meets July 11, 2016 - August 19, 2016** MTuWThF 9:30am - 10:50am	Seats (Total: 20) MTH B0423

MATH140 **Calculus I**

Credits: 4	Grading Method: Regular, Pass-Fail, Audit	CORE: MS	General Education: FSAR, FSMA

Prerequisite: Minimum grade of C- in MATH115. Or must have math eligibility of MATH140 or higher; and math eligibility is based on the Math Placement Test. Credit only granted for: MATH120, MATH130, MATH220, or MATH140.

Introduction to calculus, including functions, limits, continuity, derivatives and applications of the derivative, sketching of graphs of functions, definite and indefinite integrals, and calculation of area. The course is especially recommended for science, engineering and mathematics majors.

0101	Bradford Sanders **Meets May 31, 2016 - July 22, 2016** MTuWThF 8:00am - 9:20am	Seats (Total: 26) MTH 0411
0102	Ying Han **Meets May 31, 2016 - July 22, 2016** MTuWThF 9:30am - 10:50am	Seats (Total: 25) MTH 0103
0103	Xuan Yao **Meets May 31, 2016 - July 22, 2016** MTuWThF 11:00am - 12:20pm	Seats (Total: 25) MTH 0103

MATH141 **Calculus II**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: MS

Prerequisite: Minimum grade of C- in MATH140. Or minimum grade of B- in MATH130; and permission of CMNS-Mathematics department. Credit only granted for: MATH121, MATH131, MATH141, or MATH221.

Continuation of MATH140, including techniques of integration, improper integrals, applications of integration (such as volumes, work, arc length, moments), inverse functions, exponential and logarithmic functions, sequences and series.

0101	Cara Peters **Meets May 31, 2016 - July 22, 2016** MTuWThF 8:00am - 9:20am	Seats (Total: 28) MTH 0106
0102	Ryan Hunter **Meets May 31, 2016 - July 22, 2016** MTuWThF 9:30am - 10:50am	Seats (Total: 28) MTH 0106
0103	Matthew Becker **Meets May 31, 2016 - July 22, 2016** MTuWThF 11:00am - 12:20pm	Seats (Total: 28) MTH 0106
0104	Lijuan Cao **Meets May 31, 2016 - July 22, 2016** MTuWThF 11:00am - 12:20pm	Seats (Total: 28) MTH B0427

MATH206 **Introduction to Matlab**

Credits: 1 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (MATH141, MATH131). Credit only granted for: CMSC206, CMSC298M, MATH206, or MATH299M.

This course is intended to prepare students for subsequent courses requiring computation with MATLAB. Covers basics of MATLAB including simple commands, variables, solving equations, graphing differentiation and integration, matrices and vectors, functions, M-files and fundamentals of programming in the MATLAB environment. When offered in Winter and Summer terms, the course is offered in a format suitable for online distance learning.

WB21	Justin Wyss-Gallifent	Seats (Total: 70)
	Meets July 11, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

MATH220 **Elementary Calculus I**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: MS | General Education: FSAR, FSMA

Prerequisite: MATH112, MATH113, or MATH115. Or must have math eligibility of MATH220 or higher; and math eligibility is based on the Math Placement Test. Restriction: Not open to students majoring in mathematics, engineering, the biological sciences, biochemistry, chemistry, or the physical sciences. Credit only granted for: MATH130, MATH220, or MATH140.

Basic ideas of differential and integral calculus, with emphasis on elementary techniques of differentiation and applications.

0101	Ye Chen	Seats (Total: 31)
	Meets May 31, 2016 - July 8, 2016	
	MTuWThF 9:30am - 10:50am	MTH 0304
0201	Corry Bedwell	Seats (Total: 35)
	Meets July 11, 2016 - August 19, 2016	
	MTuWThF 11:00am - 12:20pm	MTH 0304

MATH240 **Introduction to Linear Algebra**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in MATH131; or MATH141. Credit only granted for: BIOE371, MATH240, MATH341, or MATH461.

Basic concepts of linear algebra: vector spaces, applications to line and plane geometry, linear equations and matrices, similar matrices, linear transformations, eigenvalues, determinants and quadratic forms.

0101	Robert Maschal	Seats (Total: 30)
	Meets May 31, 2016 - July 22, 2016	
	MTuWThF 11:00am - 12:20pm	MTH 0409

MATH241 **Calculus III**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in MATH141. Credit only granted for: MATH241 or MATH340.

Introduction to multivariable calculus, including vectors and vector-valued functions, partial derivatives and applications of partial derivatives (such as tangent planes and Lagrange multipliers), multiple integrals, volume, surface area, and the classical theorems of Green, Stokes and Gauss.

0101	Ke Xue **Meets May 31, 2016 - July 22, 2016** MTuWThF 9:30am - 10:50am	Seats (Total: 27) MTH 0403
0102	Timothy Mercure **Meets May 31, 2016 - July 22, 2016** MTuWThF 9:30am - 10:50am	Seats (Total: 27) JMP 2202

MATH246 Differential Equations for Scientists and Engineers

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in MATH141. Credit only granted for: MATH246 or MATH341.

An introduction to the basic methods of solving ordinary differential equations. Equations of first and second order, linear differential equations, Laplace transforms, numerical methods and the qualitative theory of differential equations.

0101	Xin Dong **Meets May 31, 2016 - July 8, 2016** MTuWThF 9:30am - 10:50am	Seats (Total: 31) MTH 0305
0102	Scott Schmieding **Meets May 31, 2016 - July 8, 2016** MTuWThF 11:00am - 12:20pm	Seats (Total: 30) MTH 0101
0201	Adam Lizzi **Meets July 11, 2016 - August 19, 2016** MTuWThF 9:30am - 10:50am	Seats (Total: 30) MTH 0304

MATH310 Introduction to Mathematical Proof

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in MATH141; and must have completed or be concurrently enrolled in MATH240, MATH341, or MATH461; and must have completed or be concurrently enrolled in MATH241 or MATH340. Restriction: Must be in a major within the CMNS-Mathematics department. Credit only granted for: MATH307 or MATH310. Additional information: Math majors may not use this course to satisfy an upper-level requirement.

To develop the students' ability to construct a rigorous proof of a mathematical claim. Students will also be made aware of mathematical results that are of interest to those wishing to analyze a particular mathematical model. Topics will be drawn from logic, set theory, structure of the number line, elementary topology, metric spaces, functions, sequences and continuity.

0201	Nathaniael Manning	Seats (Total: 23)
	Meets July 11, 2016 - August 19, 2016	
	MTuWThF 9:30am - 10:50am	MTH 0306

MATH401 **Applications of Linear Algebra**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (MATH461, MATH240, MATH341).

Various applications of linear algebra: theory of finite games, linear programming, matrix methods as applied to finite Markov chains, random walk, incidence matrices, graphs and directed graphs, networks and transportation problems.

0101	Wiseley Wong	Seats (Total: 25)
	Meets May 31, 2016 - July 8, 2016	
	MTuWThF 11:00am - 12:20pm	MTH 0401

MATH406 **Introduction to Number Theory**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (MATH240, MATH241, MATH246, MATH340, MATH341, MATH461); or permission of CMNS-Mathematics department.

Integers, divisibility, prime numbers, unique factorization, congruences, quadratic reciprocity, Diophantine equations and arithmetic functions.

0201	Justin Wyss-Gallifent	Seats (Total: 25)
	Meets July 11, 2016 - August 19, 2016	
	MTuWThF 11:00am - 12:20pm	MTH 0305

MATH410 **Advanced Calculus I**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (MATH240, MATH461, MATH341); and 1 course with a minimum grade of C- from (MATH340, MATH241); and minimum grade of C- in MATH310. Or students who have taken courses with comparable content may contact the department.

First semester of a year course. Subjects covered during the year are: sequences and series of numbers, continuity and differentiability of real valued functions of one variable, the Riemann integral, sequences of functions and power series. Functions of several variables including partial derivatives, multiple integrals, line and surface integrals. The implicit function theorem.

0101	Roohollah Ebrahimian	Seats (Total: 25)
	Meets May 31, 2016 - July 22, 2016	
	MTuThF 11:00am - 12:20pm	MTH 1313

MATH461 **Linear Algebra for Scientists and Engineers**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in MATH141; and must have completed any MATH or STAT course with a prerequisite of MATH141. Credit only granted for: BIOE371, MATH240, MATH341, or MATH461. Additional information: This course may not be used towards the upper level math requirements for MATH/STAT majors.

Basic concepts of linear algebra. This course is similar to MATH 240, but with more extensive coverage of the topics needed in applied linear algebra: change of basis, complex eigenvalues, diagonalization, the Jordan canonical form.

0101	Niranjan Ramachandran	Seats (Total: 31)
	Meets May 31, 2016 - July 8, 2016	
	MTuWThF 9:30am - 10:50am	MTH 0101
0201	Joshua Schneider	Seats (Total: 20)
	Meets July 11, 2016 - August 19, 2016	
	MTuWThF 9:30am - 10:50am	MTH 0105

MATH462 **Partial Differential Equations**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (MATH241, MATH340); and 1 course with a minimum grade of C- from (MATH246, MATH341).

Linear spaces and operators, orthogonality, Sturm-Liouville problems and eigenfunction expansions for ordinary differential equations. Introduction to partial differential equations, including the heat equation, wave equation and Laplace's equation. Boundary value problems, initial value problems and initial-boundary value problems.

0201	Manoussos Grillakis	Seats (Total: 20)
	Meets July 11, 2016 - August 19, 2016	
	MTuWThF 9:30am - 10:50am	MTH 0102

MATH463 **Complex Variables for Scientists and Engineers**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (MATH241, MATH340).

The algebra of complex numbers, analytic functions, mapping properties of the elementary functions. Cauchy integral formula. Theory of residues and application to evaluation of integrals. Conformal mapping.

0101	Steven Chadwick	Seats (Total: 20)
	Meets May 31, 2016 - July 8, 2016	
	MTuWThF 9:30am - 10:50am	MTH 0411

MATH478A **Selected Topics For Teachers of Mathematics**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

MATH489 **Research Interactions in Mathematics**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Students participate in a vertically integrated (undergraduate, graduat and/or postdoctoral, faculty) mathematics research group. Format varies. Students and supervising faculty will agree to a contract which must be approved by the department. Up to three credits of MATH489 may be applied to the mathematics degree requirements. See the department's MATH489 online syllabus for further information.

0106	Instructor: TBA	Seats (Total: 10)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	

0206	Instructor: TBA	Seats (Total: 10)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	

MATH498A **Selected Topics in Mathematics**

(Perm req)

Credits: 1-9 Grading Method: Regular, Pass-Fail, Audit

Topics of special interest to advanced undergraduate students will be offered occasionally under the general guidance of the departmental committee on undergraduate studies.

Contact department for information to register for this course.

MATH689 **Research Interactions in Mathematics**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

The students participate in a vertically integrated (undergraduate, graduate and/or postdoctoral, faculty) research group. Format varies, but includes regular meetings, readings and presentations of material. See graduate program's online syllabus or contact the graduate program director for more information.

Contact department for information to register for this course.

MATH799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

MATH898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

MATH899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

MIEH Maryland Institute for Applied Environmental Health Summer 2016

MIEH300 **A Public Health Perspective: Introduction to Environmental Health**

Credits: 3 Grading Method: Regular

Prerequisite: CHEM131 and CHEM132. Restriction: Junior standing or higher. And must be in Public Health Science program; or permission of SPHL-School of Public Health. Credit only granted for: SPHL498N or MIEH300. Formerly: SPHL498N.

Environmental health is that branch of public health that deals with the human health effects of exposure to chemical, physical, and biological agents in the community, workplace, and home. Activities within Environmental Health Sciences are associated with recognizing, assessing, understanding, and mitigating the impacts of chemical, physical, and biological agents as well as understanding how human behavior and action impacts the environment. The Environmental health field is a broad, multi-disciplinary field. Environmental health scientists face complex problems requiring multi-disciplinary approaches. This course focuses on the central concepts, principles, issues, and applications of the essential scientific components and strategies of control of major environmental health problems.

WB11	Sacoby Wilson	Seats (Total: 50)
	Meets May 31, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE

MIEH309 **Environmental Health Research**

Credits: 1-3 Grading Method: Regular

This research-based course will provide undergraduates with the opportunity to work closely with one of the faculty researchers in the Maryland Institute for Applied Environmental Health (MIAEH) within the School of Public Health. Our research covers multiple fields within the environmental health sciences (e.g. environmental epidemiology, exposure science, risk assessment, environmental microbiology, environmental microbial genomics, food toxicology, airborne infection transmission, environmental justice, and children's environmental health) that involve either laboratory-based research or non-laboratory based studies. Students will not only gain invaluable research and interpersonal skills but also contribute to MIAEH's ongoing environmental health research programs.

Contact department for information to register for this course.

MIEH331 **The Built Environment, Sustainability, and Public Health: The Good, the Bad, and the Ugly**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Recommended: Completion of MIEH300 with a C- or higher is recommended. Restriction: Must have earned a minimum of 45 credits. Credit only granted for: MIEH215 or MIEH331. Formerly: MIEH215.

Provides students with a fundamental understanding of theory, concepts, and issues related to the built environment; how the built environment influences behaviors and health outcomes; and opportunities to improve the built environment through planning, zoning, and community development initiatives that can make communities healthier, just, and more sustainable.

WB21	Sacoby Wilson	Seats (Total: 50)
	Meets July 11, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

MIEH400 **Introduction to Global Health**

Credits: 3 Grading Method: Regular General Education: DVUP

Prerequisite: Minimum grade of C- in MIEH300. Restriction: Must be in Public Health Science program; or permission of SPHL-School of Public Health. And must have earned a minimum of 60 credits. Credit only granted for: MIEH400 or SPHL498A. Formerly: SPHL498A.

Exploration of theoretical frameworks and practical perspectives on issues shaping the global health panorama. Determinants examined through: biological and epidemiological; social, cultural and economic; environmental and geographic; multi-section, legal and institutional perspectives with synopsis of how these issues are addressed by international and community organizations in developing countries.

WB21	Greg Raspanti	Seats (Total: 50)
	Meets July 11, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

MIEH600 **Foundations of Environmental Health**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: HLTH761 or MIEH600. Formerly: HLTH761.

Overview of the chemical, physical and biological hazards present in ou living and working environment and their effects on human health. Topics include: exposure assessment, industrial hygiene and safety, pesticides, community and indoor pollution, food-borne diseases, solid and hazardous wastes, water resources, risk assessement, ecological issues and environmental laws.

PLH1	Paul Turner	Seats (Total: 10)
	Meets June 6, 2016 - July 13, 2016	
	Class time/details on ELMs	ONLINE
	Restricted to students in the Master of Public Health Practice and Policy and Graduate Certificate in Principles of Public Health programs.	
WB11	Paul Turner	Seats (Total: 30)
	Meets June 6, 2016 - July 13, 2016	
	Class time/details on ELMs	ONLINE

MIEH609 **Methods in Toxicology and Environmental Health**

Credits: 1-3 Grading Method: Regular

This research-based rotation in toxicology and environmental health will provide doctoral students with the opportunity to work closely with one of the faculty researchers in the Maryland Institute for Applied Environmental Health (MIAEH) within the School of Public Health. Our research covers multiple fields within the environmental health sciences (e.g. environmental epidemiology, exposure science, risk assessment, environmental microbiology, environmental microbiology, environmental microbial genomics, food toxicology, airborne infection transmission, environmental justice, and children's environmental health) that involve either laboratory-based research or non-laboratory based studies. Students will not only gain invaluable research experience and interpersonal skills but also contribute to MIAEH's ongoing environmental health research programs.

0101	Paul Turner **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0102	Amir Sapkota **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0103	Amy Sapkota **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0104	Donald Milton **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0105	Robin Puett **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0106	Sacoby Wilson **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0107	Lesliam Quiros Alcala **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0108	Devon Payne-Sturges **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)

MIEH630 **Global Health Diplomacy**

Credits: 3 Grading Method: Regular, Audit

This course introduces students to the shifting nature of Global Health Diplomacy in a multi-polar wold with a specific focus on post-conflict or transitional states. It will analyze the interaction between foreign policy and public health from macro and micro levels to see the ways in which states, international organizations and other actors have adapted to these shifts in power. The course aims to introduce students to new ways of understanding global health diplomacy and aims to give students the tools to start formulating their own innovative solutions to health issues in post conflict countries.

0101	Muhiuddin Haider **Meets May 31, 2016 - July 8, 2016** MTh 5:00pm - 8:30pm	Seats (Total: 10) SPH 2234CC
PCG1	Muhiuddin Haider **Meets May 31, 2016 - July 8, 2016** MTh 5:00pm - 8:30pm *Restricted to students in the Global Health Certificate Program.*	Seats (Total: 10) SPH 2234CC

MIEH785 **Internship in Public Health**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of SPHL-Maryland Institute for Applied Environmental Health.

Internship and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.

Contact department for information to register for this course.

MIEH786 **Captsone Project in Public Health**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of SPHL-Maryland Institute for Applied Environmental Health.

Capstone experience provding opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

0101	Paul Turner **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0102	Amir Sapkota **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0103	Amy Sapkota **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0104	Donald Milton **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0105	Robin Puett **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0106	Sacoby Wilson **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0201	Paul Turner **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0202	Amir Sapkota **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0203	Amy Sapkota **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0204	Donald Milton **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)

0205	Robin Puett **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0206	Sacoby Wilson **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)

MIEH788 **Critical Readings in Environmental Health**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

In-depth examination and critical discussion of the current literature relevant to environmental health.

0101	Paul Turner **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0102	Amir Sapkota **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0103	Amy Sapkota **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0104	Donald Milton **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0105	Robin Puett **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0106	Sacoby Wilson **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0201	Paul Turner **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)

0202	Amir Sapkota **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0203	Amy Sapkota **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0204	Donald Milton **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0205	Robin Puett **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0206	Sacoby Wilson **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)

MIEH789 **Independent Study**

Credits: 1-6 Grading Method: Regular, Audit

Individual reading and/or research under a specific faculty member in the department.

Contact department for information to register for this course.

MIEH799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

MIEH898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

0201	Paul Turner **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)

0202	Amir Sapkota **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0203	Amy Sapkota **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0204	Donald Milton **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0205	Robin Puett **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0206	Sacoby Wilson **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0207	Lesliam Quiros Alcala **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0208	Devon Payne-Sturges **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)

MLAW MPower Undergraduate Law Programs Summer 2016

MLAW298M **Special Topics in Legal Studies; Mock Trial**

Credits: 3 Grading Method: Regular

Substantive and experiential approaches to legal phenomena. Topics vary.

Experience the excitement and reward of arguing, and perhaps winning your client's case in court! Mock Trial is designed to introduce students to the key principles of trial advocacy through a "learn by doing" approach to instruction. While classes will include explanatory lectures, the emphasis will be on learning through student exercises and by students observing and analyzing the performances of others. This hands-on course will culminate in two mock trials where students will serve as attorneys and witnesses.

YS41	Erica Smith	Seats (Total: 20)
	Meets July 11, 2016 - July 29, 2016	
	MTuWThF 10:00am - 1:00pm	CBD 1140
	This section is part of Terp Young Scholars. Enrollment by permission only.	

MLAW388 **Law and Society Internship**

Credits: 1-4 Grading Method: Regular

Participation in the Law and Society Internship (LASI) offers students the opportunity to enhance their education through practical skill building in the realm of law-related professionals.

Restricted to students in the Law and Society minor.

WB11	Brandee Pettus	Seats (Total: 35)
	Meets May 31, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

MOCB Molecular and Cell Biology Summer 2016

MOCB699 **Laboratory Rotation**

Credits: 2-3 Grading Method: Sat-Fail

Laboratory experience in molecular-cell biology.

Contact department for information to register for this course.

MOCB899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Sat-Fail

0101	Instructor: TBA	Seats (Total: 30)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	
0182	Daniel Nelson	Seats (Total: 5)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	
0201	John Moult	Seats (Total: 2)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	

0206	Louisa Wu **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0263	Zhongchi Liu **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0277	Volker Briken **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)

MUED Music Education Summer 2016

MUED698V **Current Trends in Music Education; Vocal Pedagogy for the Choral Conductor**

Credits: 1-3 Grading Method: Regular, Audit

A survey of current and emerging philosophies, methodologies and curricula in music education and their implementation. The influence of educational and social changes and the expanding musical scene upon the music programs for children of all ages and for teacher education.

Improve your working knowledge of the fundamentals of teaching singing to children and adolescents in choral settings. Learn about breathing, the anatomy of speech and voice, resonance, articulation, and vocal health (the students' and the teacher's), and how to apply these techniques to improved classroom instruction and rehearsal.

WB21	Kenneth Elpus **Meets July 11, 2016 - August 19, 2016** Class time/details on ELMs	Seats (Total: 50) ONLINE

MUSC School of Music Summer 2016

MUSC140 **Music Fundamentals I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HA General Education: DSSP

Restriction: Must not be in any of the following programs (Music (Professional Program); Music Education).

Introductory theory course. Notation, scales, intervals, triads, rhythm, form and basic aural skills.

0101	Bryce Fuhrman	Seats (Total: 15)	
	Meets May 31, 2016 - July 8, 2016		
	MTuW 11:00am - 12:40pm	PAC 3164	
	Th 11:00am - 12:40pm	PAC 1108	Lab

MUSC220 **Selected Musical Cultures of the World**

Credits: 3 Grading Method: Regular CORE: HA, D General Education: DSHU, DVUP

Credit only granted for: MUET220 or MUSC220. Formerly: MUET220.

A survey of selected musical cultures of the world, such as India, Japan, China, Indonesia, West Africa, Eastern Europe and the Near East.

0601	Melanie Pinkert	Seats (Total: 25)
	Meets August 1, 2016 - August 19, 2016	
	MTuWThF 10:00am - 12:45pm	PAC 3168

MUSC269A **Special Topics in Study Abroad II; Enhancing Spanish Language and Cultural Knowledge Through Music**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

MUSC269I **Special Topics in Study Abroad II; History of Italian Music**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

MUSC388 **Music Internship**

(Perm req)

Credits: 3 Grading Method: Regular

Pre-professional field work in music.

Contact department for information to register for this course.

MUSC389 **Music Internship Analysis; Music Internship Analysis**

(Perm req) Credits: 1 Grading Method: Regular

Documentation and evaluation of field work experience.

Contact department for information to register for this course.

MUSC448 **Selected Topics in Music**

(Perm req) Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

MUSC463 **Applications in Music Technology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

A hands-on study of computer hardware and software that makes use of th MIDI (Musical Instrument Digital Interface) specification. This protocol allows computers, synthesizers and various other devices to send and receive information about musical performance, notation and sound. The course focuses on two of the most frequently used applications on MIDI -- sequencing and music notation. Also included is an introduction to digital audio. No previous experience with computers is required. Ability to read music on a grand staff (treble and bass clef) is recommended.

0501	Geoffrey Sheil	Seats (Total: 15)
	Meets June 20, 2016 - July 8, 2016	
	MTuWThF 1:00pm - 4:00pm	PAC 1108

MUSC499 **Independent Studies**

(Perm req) Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Independent research on a topic chosen in consultation with the instructor, which may culminate in a paper or appropriate project.

Contact department for information to register for this course.

MUSC699 **Selected Topics in Music**

Credits: 1-3 Grading Method: Regular, Audit

Contact department for information to register for this course.

MUSC799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

MUSC898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

MUSC899 **Doctoral Dissertation Research**

(Perm req)

Credits: 1-3 Grading Method: Regular

Contact department for information to register for this course.

NFSC Nutrition and Food Science Summer 2016

NFSC100 **Elements of Nutrition**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: LS General Education: DSNS

Fundamentals of human nutrition. Nutrient requirements related to changing individual and family needs.

0101	Margaret Udahogora	Seats (Total: 35)
	Meets May 31, 2016 - July 8, 2016	
	MWF 9:30am - 10:50am	SPH 0307
	TuTh 9:30am - 10:50am	SPH 0307

NFSC103 **Nutrition and Sports Performance**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Nutrition and Sports Performance would give students a brief overview of positive health-related outcomes of a physically active lifestyle. Students would design a fitness regimen and be able to describe when and how glycogen, blood glucose, fat, and protein are used to meet energy needs during different types of physical activity. They would be able to differentiate between anaerobic and aerobic use of glucose, and identify advantages and disadvantages of each. This course would outline how to estimate and athlete's calorie need and discuss the general principles for meeting overall nutrient requirements in the training diet. The problems associated with rapid weight loss by dehydration and the importance of water and/or sports drinks during exercise would be examined. An understanding of the importance of staying well-nourished with carbohydrate, protein, and various vitamins and minerals before, during, and after training would be discussed.

WB21	Saira Khan	Seats (Total: 30)
	Meets July 11, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

NFSC112 **Food: Science and Technology**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: LS | General Education: DSNS

Introduction to the realm of food science, food technology and food processing. An overview of the largest industry in the U.S. with emphasis on the science of food and the technology of food preservation from harvest through processing and packaging to distribution and consumer utilization.

0101	Solmaz Alborzi	Seats (Total: 35)	
	Meets May 31, 2016 - July 8, 2016		
	MWF 9:30am - 10:50am	WDS 0104	
	TuTh 9:30am - 10:50am	WDS 0104	Discussion

NFSC490 **Special Problems in Nutrition**

(Perm req)

Credits: 2-3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Prerequisite: NFSC440; and permission of AGNR-Nutrition and Food Science department.

Individually selected problems in the area of human nutrition.

Contact department for information to register for this course.

NFSC498A **Selected Topics; Individual Study**

Credits: 1-3 | Grading Method: Regular, Pass-Fail, Audit

Selected current aspects of food.

Contact department for information to register for this course.

NFSC498G **Selected Topics; Ghana: A Feed the Future Classroom**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Selected current aspects of food.

Contact department for information to register for this course.

NFSC699 **Problems in Nutrition and Food Science**

(Perm req)

Credits: 1-4 | Grading Method: Regular, Audit

Credit according to time scheduled and magnitude of problem. An experimental program on a topic other than the student's thesis problem will be conducted. Four credits shall be the maximum allowed toward an advanced degree.

Contact department for information to register for this course.

NFSC799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular, Sat-Fail

First and second semesters. Credit in proportion to work done and results accomplished. Investigation in some phases of foodservice administration which may form the basis of a thesis. results in the form of a thesis.

Contact department for information to register for this course.

NFSC898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

First and second semesters. Oral reports on special topics or recently published research in nutrition. Distinguished scientists are invited as guest lecturers. A maximum of three credits allowed for the M.S.

0101	Robert Jackson **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0103	Qin Wang **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0115	Liangli Yu **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0116	Robert Buchanan **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0133	Shaik Rahaman **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)

0201	Robert Jackson **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0203	Qin Wang **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)
0215	Liangli Yu **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0216	Robert Buchanan **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)

NFSC899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

PERS Persian Summer 2016

PERS105 **Intensive Elementary Persian I**

(Perm req)

Credits: 6 Grading Method: Regular, Pass-Fail

Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Open to beginning learners of Persian only.

Intensive training in spoken and written Persian at elementary level. Basic literacy skills, vocabulary, pronunciation and grammar developed through a highly interactive approach. Substantial cultural component familiarizing students with cultural themes related to Iran and the Persian speaking world. Taught in Persian.

Registration limited to students accepted into the Summer Language Institute.

Click here for more course information.

XL11	Elham Monfaredi **Meets June 1, 2016 - July 1, 2016** MTuWThF 9:00am - 5:00pm	Seats (Total: 15) SQH 1101

PERS106 **Intensive Elementary Persian II**

(Perm req)

Credits: 6 Grading Method: Regular, Pass-Fail

Prerequisite: Pre-requisite: PERS105, or equivalent, as determined by the FLPT (Foreign Language Placement Test).

Intensive training in spoken and written Persian at elementary level (ACTFL Novice High to Intermediate Low). Continues building basic literacy skills, vocabulary, and grammar through highly a interactive approach. Substantial cultural component familiarizing students with cultural themes related to Iran and the Persian speaking world. Taught in Persian.

Registration limited to students accepted into the Summer Language Institute.

Click here for more course information.

XL21	Elham Monfaredi	Seats (Total: 15)
	Meets July 5, 2016 - August 5, 2016	
	MTuWThF 9:00am - 5:00pm	SQH 1117

PERS205 **Intensive Intermediate Persian I**

(Perm req)

Credits: 6 Grading Method: Regular

Prerequisite: PERS106; or equivalent as determined by Foreign Language Placement Test (FLPT).

Development of Persian language proficiency and cultural knowledge at the intermediate level (Intermediate-Mid on ACTFL scale). Taught in Persian.

Registration limited to students accepted into the Summer Language Institute.

Click here for more course information.

XL11	Manizhe Galledari	Seats (Total: 15)
	Meets June 1, 2016 - July 1, 2016	
	MTuWThF 9:00am - 5:00pm	SQH 1123

PERS206 **Intensive Intermediate Persian II**

(Perm req)

Credits: 6 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PERS205; or equivalent, as determined by the FLPT (Foreign Language Placement Test).

Designed to further develop Persian language proficiency and cultural knowledge at an intermediate level (Intermediate High on ACTFL scale). Taught in Persian.

Registration limited to students accepted into the Summer Language Institute.

Click here for more course information.

XL21	Manizhe Galledari	Seats (Total: 15)
	Meets July 5, 2016 - August 5, 2016	
	MTuWThF 9:00am - 5:00pm	SQH 1123

PERS305 **Intensive Advanced Persian I**

(Perm req)

Credits: 6 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed PERS206; or equivalent as determinve by Foreign Language Placement Test (FLPT).

Development of Persian language proficiency and cultural competence at an advanced level (Advanced Low on ACTFL scale). Taught in Persian.

Registration is limited to students accepted into the Summer Language Institute.

Click here for more course information.

XL11	Bahareh Jalehmahmoudi	Seats (Total: 15)
	Meets June 1, 2016 - July 1, 2016	
	MTuWThF 9:00am - 5:00pm	SQH 1107

PERS306 **Intensive Advanced Persian II**

(Perm req)

Credits: 6 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PERS305; or equivalent as determined by FLPT (Foreign Language Placement Test).

Continued development of Persian language proficiency at an Advanced Mid level on ACTFL scale through a whole language approach integrating listening, speaking, reading and writing. Taught in Persian.

Registration is limited to students accepted into the Summer Language Institute.

Click here for more course information.

XL21	Bahareh Jalehmahmoudi	Seats (Total: 15)
	Meets July 5, 2016 - August 5, 2016	
	MTuWThF 9:00am - 5:00pm	SQH 1103

PERS405 **Media and the Current Issues in Iranian Society**

Credits: 6 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PERS306; or equivalent as determined by FLPT (Foreign Language Placement Test).

Develops Persian language proficiency and domain-specific knowledge at advanced-mid to advanced-high level on ACTFL scale. Enhances linguistic and cultural competence. Provides a broad understanding of some of the current social, political and economic issues in modern Iran. Taught in Persian.

Registration is limited to students accepted into the Summer Language Institute.

Click here for more course information.

XL11	Ali Abasi	Seats (Total: 15)
	Meets June 1, 2016 - July 1, 2016	
	MTuWThF 9:00am - 5:00pm	SQH 1105

PERS406 **Practicum in Persian Translation**

Credits: 6 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PERS306; or equivalent as determined by the FLPT (Foreign Language Placement Test).

Provides opportunities for translation, interpretation, and analysis of various authentic oral and written texts (both English to Persian and Persian to English). Facilitates the development of Persian language proficiency at advanced level through a task-based approach that integrates all the language skills in pedagogical translation activities.

Registration is limited to students accepted into the Summer Language Institute.

Click here for more course information.

XL21	Ali Abasi	Seats (Total: 15)
	Meets July 5, 2016 - August 5, 2016	
	MTuWThF 9:00am - 5:00pm	SQH 1105

PHIL Philosophy Summer 2016

Click here for detailed course descriptions.

PHIL100 **Introduction to Philosophy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HO General Education: DSHU

An introduction to the literature, problems, and methods of philosophy either through a study of some of the main figures in philosophic thought or through an examination of some of the central and recurring problems of philosophy.

WB31	Alexey Aliev **Meets May 31, 2016 - June 21, 2016** Class time/details on ELMs	Seats (Total: 30) ONLINE

PHIL140 **Contemporary Moral Issues**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO | General Education: DSHU

The uses of philosophical analysis in thinking clearly about such widely debated moral issues as abortion, euthanasia, homosexuality, pornography, reverse discrimination, the death penalty, business ethics, sexual equality, and economic justice.

0601	Javiera Perez-Gomez **Meets August 1, 2016 - August 19, 2016** MTuWTh 10:00am - 1:20pm	Seats (Total: 15) TLF 1103
FF61	Javiera Perez-Gomez **Meets August 1, 2016 - August 19, 2016** MTuWTh 10:00am - 1:20pm *Restricted to students in Freshmen First.*	Seats (Total: 15) TLF 1103
WB51	Cindy Phillips **Meets June 20, 2016 - July 8, 2016** Class time/details on ELMs *Students who wish to register for this section after June 6, 2016, please email summer@umd.edu.*	Seats (Total: 30) ONLINE

PHIL170 **Introduction to Logic**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: MS | General Education: FSAR

Development of analytical reasoning skills through study of formal logics, reasoning systems, and fallacious inference patterns.

WB31	Michael McCourt **Meets May 31, 2016 - June 21, 2016** Class time/details on ELMs	Seats (Total: 32) ONLINE

PHIL209Q **Philosophical Issues; The Art of Thinking**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An examination of selected philosophical issues of general interest.

YS41	Christian Tarsney	Seats (Total: 19)
	Meets July 11, 2016 - July 29, 2016	
	MTuWThF 10:00am - 1:00pm	KEY 0117

PHIL230 **Philosophy of the Arts**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HA General Education: DSHU

A survey of theoretical perspectives on the arts from Plato to the present, along with critical examination of specific works of art. Analysis of concepts central to thought about art, such as beauty, form, content, expression, representation, interpretation, creation, style, medium, realism, aesthetic experience, and aesthetic value.

WB41	Logan Fletcher	Seats (Total: 30)
	Meets July 11, 2016 - July 29, 2016	
	Class time/details on ELMs	ONLINE

PHIL309J **Philosophical Problems; The Fragility of Justice**

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

A focused study of a contemporary philosophical problem or issue. Topics will vary, but the course will encourage students to to generate critical analyses or proposed resolutions of issues in the contemporary philosophical literature.

Justice demands fairness: that we punish all and only the guilty. But a growing body of research suggests that our prejudices and biases undermine the pursuit of justice. We will critically evaluate this evidence and look ways of correcting for human biases.The overarching philosophical concern is the fragility of human reason within the American criminal justice system. Students should contact the instructor at roglive@umd.edu

WB21	Ryan Ogilvie	Seats (Total: 30)
	Meets July 11, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

PHIL309S **Philosophical Problems; The Ethics of Sex**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

A focused study of a contemporary philosophical problem or issue. Topics will vary, but the course will encourage students to to generate critical analyses or proposed resolutions of issues in the contemporary philosophical literature.

WB11	Andrew Knoll **Meets May 31, 2016 - July 8, 2016** Class time/details on ELMs	Seats (Total: 30) ONLINE

PHIL498 **Topical Investigations**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

0101	Instructor: TBA **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0201	Instructor: TBA **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)

PHIL688 **Selected Problems in Philosophy**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

0101	Instructor: TBA **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0201	Instructor: TBA **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)

PHIL788 **Research in Philosophy**

(Perm req)

Credits: 1-6 Grading Method: Regular, Audit

0101	Instructor: TBA **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
0201	Instructor: TBA **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)

PHIL799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department to make arrangements.

Contact department for information to register for this course.

PHIL898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

0105	Lindley Darden **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0205	Lindley Darden **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)

PHIL899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department to make arrangements.

Contact department for information to register for this course.

PHSC Public Health Science Summer 2016

PHSC401 **History of Public Health**

Credits: 3 Grading Method: Regular

Restriction: Must be in Public Health Science program; and must have earned a minimum of 45 credits. Credit only granted for: PHSC401 or SPHL401. Formerly: SPHL401.

Emphasis is on the history of public health in the Western world from antiquity to the present. Also examines the influence of public health developments as they relate to the Western world as well as throughout diverse cultures and societies across the globe. Analysis focuses on the interaction among Western and non-Western cultures with respect to health issues, including science, policies, prevention and treatment.

WB31	Marian Jones **Meets May 31, 2016 - June 17, 2016** Class time/details on ELMs	Seats (Total: 40) ONLINE		

PHYS Physics Summer 2016

PHYS121 **Fundamentals of Physics I**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: PL | General Education: DSNL

Prerequisite: MATH112 or MATH115. Credit only granted for: PHYS121 or PHYS131.

The first part of a two-semester course in general physics treating the fields of mechanics, heat, sound, electricity, magnetism, optics, and modern physics. Together with PHYS122, this generally satisfies the minimum requirement of medical and dental schools.

Students must pay a $50.00 Laboratory Materials fee.

0181	Sergio Picozzi **Meets May 31, 2016 - July 8, 2016** MTuWThF 5:30pm - 6:50pm TuTh 7:00pm - 9:00pm MW 7:00pm - 8:00pm	Seats (Total: 26) PHY 1201 PHY 3306 PHY 1201	 Lab Discussion
0182	Sergio Picozzi **Meets May 31, 2016 - July 8, 2016** MTuWThF 5:30pm - 6:50pm MW 7:00pm - 9:00pm TuTh 7:00pm - 8:00pm	Seats (Total: 26) PHY 1201 PHY 3306 PHY 1201	 Lab Discussion

PHYS122 **Fundamentals of Physics II**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: PL | General Education: DSNL

Prerequisite: PHYS121; or students who have taken courses with comparable content may contact the department.

A continuation of PHYS121, which together with it, generally satisfies the minimum requirement of medical and dental schools.

Students must pay a $50.00 Laboratory Materials fee.

0281	Sergio Picozzi	Seats (Total: 24)	
	Meets July 11, 2016 - August 19, 2016		
	MTuWThF 5:30pm - 6:50pm	PHY 4221	
	TuTh 7:00pm - 9:00pm	PHY 3312	Lab
	MW 7:00pm - 8:00pm	PHY 4221	Discussion
0282	Sergio Picozzi	Seats (Total: 24)	
	Meets July 11, 2016 - August 19, 2016		
	MTuWThF 5:30pm - 6:50pm	PHY 4221	
	MW 7:00pm - 9:00pm	PHY 3312	Lab
	TuTh 7:00pm - 8:00pm	PHY 4221	Discussion

PHYS131 **Fundamentals of Physics for Life Sciences I**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH130, MATH131, and CHEM131; and (BSCI160 and BSCI161; or BSCI106); and (BSCI170 and BSCI171; or BSCI105). Or students who have taken courses with comparable content may contact the department. Credit only granted for: PHYS121 or PHYS131.

The first part of a two-semester course in general physics specifically oriented towards applications relevant for students in biology and pre-medical programs. The course covers basic mechanics including forces and energy, properties of matter, and thermodynamics done in authentic biological contexts.

0101	David Buehrle	Seats (Total: 24)	
	Meets May 31, 2016 - July 8, 2016		
	MTuWThF 9:30am - 10:50am	PHY 1410	
	TuTh 12:00pm - 1:50pm	PHY 3310	Lab
	MW 11:00am - 11:50am	MTH 0306	Discussion

PHYS132 **Fundamentals of Physics for Life Sciences II**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS131; or students who have taken courses with comparable content may contact the department. Credit only granted for: PHYS122 or PHYS132.

The second part of a two-semester course in general physics specifically oriented towards applications relevant for students in biology and pre-medical programs. The course covers basic statistical physics, electricity and magnetism, and optics done in authentic biological contexts.

0201	David Buehrle	Seats (Total: 24)	
	Meets July 11, 2016 - August 19, 2016		
	MTuWThF 9:30am - 10:50am	PHY 1410	
	TuTh 12:00pm - 1:50pm	PHY 3310	Lab
	MW 11:00am - 11:50am	MTH 0201	Discussion

PHYS141 **Principles of Physics**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: PL | General Education: DSNL

Corequisite: MATH141 or MATH121; or MATH221. Credit only granted for: PHYS141, PHYS161, or PHYS171.

The first of a two-semester series in general physics. The first semester covers the fields of mechanics, thermodynamics, and special relativity. This survey course will use calculus and is recommended for chemistry and zoology majors. It also satisfies the requirements of medical and dental schools.

0181	Matthew Severson	Seats (Total: 26)	
	Meets May 31, 2016 - July 8, 2016		
	MTuWThF 5:30pm - 6:50pm	PHY 1219	
	TuTh 7:00pm - 9:00pm	PHY 3314	Lab
	MW 7:00pm - 7:50pm	PHY 1219	Discussion

PHYS142 **Principles of Physics**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: PL | General Education: DSNL

Prerequisite: PHYS141; or students who have taken courses with comparable content may contact the department. Credit only granted for: PHYS142, (PHYS260 and PHYS261), or PHYS272.

A continuation of PHYS141 covering waves, electricity and magnetism, optics and modern physics.

0281	Sergio Picozzi	Seats (Total: 27)	
	Meets July 11, 2016 - August 19, 2016		
	MTuWThF 5:30pm - 6:50pm	MTH B0421	
	TuTh 7:00pm - 9:00pm	PHY 3314	Lab
	MW 7:00pm - 7:50pm	MTH B0421	Discussion

PHYS161 **General Physics: Mechanics and Particle Dynamics**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: PS	General Education: DSNS

Prerequisite: Must have completed or be concurrently enrolled in MATH141. Credit only granted for: PHYS141, PHYS161, or PHYS171.

First semester of a three-semester calculus-based general physics course. Laws of motion, force, and energy; principles of mechanics, collisions, linear momentum, rotation, and gravitation.

0101	Matthew Severson	Seats (Total: 32)	
	Meets May 31, 2016 - July 8, 2016		
	MTuWThF 2:30pm - 3:50pm	PHY 1219	
	TuTh 1:30pm - 2:20pm	PHY 1219	Discussion

PHYS260 **General Physics: Vibration, Waves, Heat, Electricity and Magnetism**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	General Education: DSNL (if taken with PHYS261)

Prerequisite: PHYS161 and MATH141. Corequisite: PHYS261. Credit only granted for: PHYS142, PHYS260, or PHYS272.

Second semester of a three-semester calculus-based general physics course. Vibrations, waves, fluids; heat, kinetic theory, and thermodynamics; electrostatics, circuits, and magnetism. PHYS260 and PHYS261 must be taken in the same semester.

0201	David Buehrle	Seats (Total: 36)	
	Meets July 11, 2016 - August 19, 2016		
	MTuWThF 11:00am - 12:20pm	PHY 1219	
	TuTh 10:00am - 10:50am	PHY 1219	Discussion

PHYS261 **General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory)**

Credits: 1	Grading Method: Regular, Pass-Fail, Audit

Corequisite: PHYS260.

Lab includes experiments on mechanics, vibrations, waves, heat, electricity and magnetism. PHYS260 and PHYS261 (lab) must be taken in the same semester.

There is a $50.00 lab fee for this course.

0201	David Buehrle	Seats (Total: 36)	
	Meets July 11, 2016 - August 19, 2016		
	TuTh 1:00pm - 4:00pm	PHY 3219	Lab

PHYS261M **General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory)**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Corequisite: PHYS260.

Lab includes experiments on mechanics, vibrations, waves, heat, electricity and magnetism. PHYS260 and PHYS261 (lab) must be taken in the same semester.

0201	David Buehrle	Seats (Total: 10)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	
	Restricted to students transferring a lab grade from a previous semester.	

PHYS270 **General Physics: Electrodynamics, Light, Relativity and Modern Physics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSNL (if taken with PHYS271)

Prerequisite: PHYS261, MATH241, and PHYS260. Corequisite: PHYS271.

Third semester of a three-semester calculus-based general physics course. Electrodynamics, Maxwell's equations and electromagnetic waves, geometrical optics, interference, diffraction, special theory of relativity, and modern physics. PHYS270 and PHYS271 (lab) must be taken in the same semester.

0101	David Buehrle	Seats (Total: 24)	
	Meets May 31, 2016 - July 8, 2016		
	MTuWThF 11:00am - 12:20pm	CHM 1228	
	MW 10:00am - 10:50am	CHM 1228	Discussion

PHYS271 **General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory)**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS261. Corequisite: PHYS270.

Lab includes experiments on ac circuits, magnetism, light and modern physics. PHYS270 and PHYS271 (lab) must be taken in the same semester.

There is a $50.00 lab fee for this course.

0101	David Buehrle	Seats (Total: 24)	
	Meets May 31, 2016 - July 8, 2016		
	MW 1:00pm - 4:00pm	PHY 3220	Lab

PHYS271M **General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory)**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS261. Corequisite: PHYS270.

Lab includes experiments on ac circuits, magnetism, light and modern physics. PHYS270 and PHYS271 (lab) must be taken in the same semester.

0101	David Buehrle	Seats (Total: 10)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	

PHYS299 **Special Problems in Physics**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

Research or special study to complement courses taken elsewhere which are not fully equivalent to those in departmental requirements. Credit according to work done.

Contact department for information to register for this course.

PHYS305 **Physics Shop Techniques**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Permission of CMNS-Physics department.

Machine tools, design and construction of laboratory equipment.

0101	Lester Putnam	Seats (Total: 1)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	

PHYS399 **Special Problems in Physics**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Selected advanced experiments. (Will be given with sufficient demand.)

Contact department for information to register for this course.

PHYS399G **Special Problems in Physics; General Relativity**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected advanced experiments. (Will be given with sufficient demand.)

0101	Sergio Picozzi	Seats (Total: 30)
	Meets May 31, 2016 - July 8, 2016	
	MTuWThF 1:00pm - 2:20pm	CHM 0124

PHYS499 **Special Problems in Physics**

(Perm req)

Credits: 1-16 Grading Method: Regular, Pass-Fail, Audit

Research or special study. Credit according to work done.

Contact department for information to register for this course.

PHYS605 **Graduate Physics Shop Techniques**

Credits: 1 Grading Method: Regular, Sat-Fail

Restriction: Permission of CMNS-Physics department. Also offered as: PHYS305.

Proper use of machine tools to manufacture parts from metal alloys, and the importance and proper use of engineering documentation in the development process.

0101	Lester Putnam	Seats (Total: 3)
	Meets May 31, 2016 - August 19, 2016	
	Contact instructor or department for details.	

PHYS798 **Special Problems in Advanced Physics**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Projects or special study in advanced physics.

Contact department to make arrangements.

Contact department for information to register for this course.

PHYS798I **Special Problems in Advanced Physics; RF Superconductivity: Physics, Technology and Applications**

Credits: 3 Grading Method: Regular, Audit

Projects or special study in advanced physics.

Contact department for information to register for this course.

PHYS798J **Special Problems in Advanced Physics; Beam Dynamics Experiments on University of Maryland Electron Ring**

Credits: 3 Grading Method: Regular, Audit

Projects or special study in advanced physics.

Contact department for information to register for this course.

PHYS798K **Special Problems in Advanced Physics; Beam Physics with Intense Space Charge**

Credits: 2-3 Grading Method: Regular, Audit

Projects or special study in advanced physics.

Contact department for information to register for this course.

PHYS798M **Special Problems in Advanced Physics; Medical Applications of Accelerators**

Credits: 1 Grading Method: Regular, Audit

Projects or special study in advanced physics.

Contact department for information to register for this course.

PHYS798O **Special Problems in Advanced Physics; Laser Plasma Accelerators**

Credits: 1 Grading Method: Regular, Audit

Projects or special study in advanced physics.

Contact department for information to register for this course.

PHYS798Q **Special Problems in Advanced Physics; Vacuum Electron Devices**

Credits: 1 Grading Method: Regular, Audit

Projects or special study in advanced physics.

Contact department for information to register for this course.

PHYS798R **Special Problems in Advanced Physics; Beam-Based Diagnostics**

Credits: 1 Grading Method: Regular, Audit

Projects or special study in advanced physics.

Contact department for information to register for this course.

PHYS798T **Special Problems in Advanced Physics; Radiation Detection and Imaging for Medicine and Homeland Security**

Credits: 1 Grading Method: Regular, Audit

Projects or special study in advanced physics.

Contact department for information to register for this course.

PHYS798V **Special Problems in Advanced Physics; Laser Application to Accelerators**

Credits: 1 Grading Method: Regular, Audit

Projects or special study in advanced physics.

Contact department for information to register for this course.

PHYS798W **Special Problems in Advanced Physics; Microwave Sources**

Credits: 1 Grading Method: Regular, Audit

Projects or special study in advanced physics.

Contact department for information to register for this course.

PHYS798X **Special Problems in Advanced Physics; Control Room Accelerator Physics**

Credits: 1 Grading Method: Regular, Audit

Projects or special study in advanced physics.

Contact department for information to register for this course.

PHYS799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

PHYS898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

PHYS899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

PLSC Plant Sciences Summer 2016

PLSC100 **Introduction to Horticulture**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit CORE: LL General Education: DSNL

An overview to the art and science of horticulture. Relationships between plant science and plant production, the use of horticultural plants and plant stress as influenced by cultural practices.

Students must pay a $50.00 lab materials fee.

Click here for more course information.

0101	Carol Allen	Seats (Total: 24)	
	Meets May 31, 2016 - July 8, 2016		
	MTuWThF 9:30am - 10:50am	PLS 1180	
	MW 12:30pm - 3:20pm	PLS 1153	Lab

PLSC399 **Special Problems in Plant Science**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Research projects in Plant Science including field, greenhouse, laboratory, studio and/or library studies. Research is conducted under the direction of a faculty member.

0104	Mark Carroll	Seats (Total: 10)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	
0108	Steven Cohan	Seats (Total: 10)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	

0110	Gary Coleman **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0118	Gary Coleman **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0128	John Lea-Cox **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0132	Lea Johnson **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0136	Maile Neel **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0142	Joseph Roberts **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0144	William Phillips **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0146	Joseph Sullivan **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0152	Christopher Walsh **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0156	Priscila Chaverri **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)

0160	Cassandra Swett **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0162	Jianhua Zhu **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0164	James Culver **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0166	Shunyuan Xiao **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0170	Shirley Micallef **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0172	Kate Tully **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0174	Angus Murphy **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0176	Burkhard Schulz **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0204	Mark Carroll **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0208	Steven Cohan **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)

0210	Steven Cohan **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0218	Kathryne Everts **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0228	Kathryne Everts **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0232	Lea Johnson **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0236	Maile Neel **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0242	Joseph Roberts **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0244	William Phillips **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0246	Joseph Sullivan **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0252	Christopher Walsh **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0256	Priscila Chaverri **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)

0260	Cassandra Swett **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0262	Jianhua Zhu **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0264	James Culver **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0266	Shunyuan Xiao **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0270	Shirley Micallef **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0272	Kate Tully **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0274	Angus Murphy **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0276	Burkhard Schulz **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)

PLSC489T **Special Topics in Plant Science; Tropical Fungi and Plant Health: Cosat Rica**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

A lecture and or laboratory series organized to study a selected phase of Plant Science not covered by existing courses. Credit according to time scheduled and organization of the course.

Contact department for information to register for this course.

PLSC689J **Special Topics; Tropical Fungi and Plant Health**

Credits: 3 Grading Method: Regular, Audit

Credit according to time scheduled and organization of the course. Organized as a lecture series on a specialized advanced topic.

This field course in Costa Rica will teach students about fungi in their natural habitats and in agricultural settings. Students will learn how fungi can affect crop and natural plants. This will be accomplished by hands-on learning in the field and laboratory in the forests and agricultural fields where the plants grow. Students will visit natural tropical forests, and collect and identify from microscopic to macroscopic mushrooms. The students will also visit farms where different crops are produced, from very local subsistence agriculture (for example, rice and beans and other vegetables) to large-scale agricultural for export to theUnited States (for example, banans, pineapples, ornamentals, and others). Students will learn how to identify plant diseases that affect those crops. Students from the University of Costa Rica (UCR) will also participate. Students from bothuniversities will develop short research projects during the course.

Contact department for information to register for this course.

PLSC689X **Special Topics; Agricultural Education**

(Perm req)

Credits: 1 Grading Method: Regular, Audit

Credit according to time scheduled and organization of the course. Organized as a lecture series on a specialized advanced topic.

The course is designed to provide professional development to agricultural teachers by extending the information from the topics presented at the Maryland Agricultural Teachers Association (MATA) Annual Professional Development Conference and Technical Update.

0201	William Phillips	Seats (Total: 15)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	

PLSC799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

PLSC898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

PLSC899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

PSYC Psychology Summer 2016

PSYC100 Introduction to Psychology

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: SB General Education: DSHS, DSNS

A basic introductory course, intended to bring the student into contact with the major problems confronting psychology and the more important attempts at their solution.

0601	Steven Brauth **Meets August 1, 2016 - August 19, 2016** MTuWThF 10:00am - 12:40pm	Seats (Total: 17) BPS 1236
FF61	Steven Brauth **Meets August 1, 2016 - August 19, 2016** MTuWThF 10:00am - 12:40pm *Restricted to students in Freshman First. For Program information click here .*	Seats (Total: 18) BPS 1236
WB11	Ryan Curtis **Meets May 31, 2016 - July 8, 2016** Class time/details on ELMs	Seats (Total: 65) ONLINE

PSYC123 The Psychology of Getting Hired

Credits: 1 Grading Method: Regular

Designed to introduce students to the science behind the hiring process and to prepare individuals with the academic and practical training required. Together we will explore psychological principles that influence the selection process and how individuals can apply them for the competitive edge that makes others Fear the Turtle!

WB11	Rebecca Weir **Meets May 31, 2016 - July 8, 2016** Class time/details on ELMs	Seats (Total: 100) ONLINE

PSYC200 Statistical Methods in Psychology

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: FSAR

Prerequisite: PSYC100. And 1 course with a minimum grade of C- from (STAT100, MATH107, MATH111, MATH120, MATH130, MATH140); or must have completed MATH220 with a minimum grade of C-. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON230, ECON321, EDMS451, GEOG306, GEOL351, GVPT422, PSYC200 or SOCY201.

A basic introduction to quantitative methods used in psychological research.

WB11	Tracy Tomlinson **Meets May 31, 2016 - July 8, 2016** Class time/details on ELMs	Seats (Total: 70) ONLINE

PSYC221 **Social Psychology**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS, DSSP

Prerequisite: PSYC100.

The influence of social factors on the individual and on interpersonal behavior. Includes topics such as conformity, attitude change, person perception, interpersonal attraction, and group behavior.

Click here for sample course syllabus.

WB11	Dylan Selterman **Meets May 31, 2016 - July 8, 2016** Class time/details on ELMs	Seats (Total: 50) ONLINE
YS41	Dylan Selterman **Meets July 11, 2016 - July 29, 2016** MTuWThF 9:30am - 12:10pm *This section is part of Terp Young Scholars. Enrollment by permission only.*	Seats (Total: 28) BPS 1238

PSYC289E **Psychology of Evil**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS, DSSP, SCIS

Why is there evil in the world? Are some born evil, or do social, environmental and cultural forces create evil? What makes otherwise good people do evil things? The scientific study of evil epitomizes the fundamental challenge that psychology faces in dissecting the role of biology (nature) and the social context (nurture).

Click here for more course information. Click here for sample course syllabus.

0101	Scott Roberts	Seats (Total: 40)
	Meets May 31, 2016 - July 8, 2016	
	MWF 10:00am - 12:30pm	BPS 0283

PSYC300 **Research Methods in Psychology Laboratory**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Prerequisite: PSYC200. Restriction: Must be in Psychology program. Credit only granted for: PSYC300 or PSYC309R. Formerly: PSYC309R.

A general introduction and overview to the fundamental theoretical, conceptual, and practical issues in psychological research in both the laboratory and the field.

HY21	Tracy Tomlinson	Seats (Total: 50)
	Meets July 11, 2016 - August 19, 2016	
	TuTh 9:00am - 12:20pm F 9:00am - 12:20pm	BPS 0283 ONLINE

PSYC332 **Psychology of Human Sexuality**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC100.

A survey of historical and contemporary psychological views on a wide variety of sexual behaviors; theory and research bearing on the relationship between life span psychological development, psychological functioning, interpersonal processes and sexual behaviors; political and social issues involved in current sexual norms and practices.

0101	Elissa Sarno	Seats (Total: 25)
	Meets May 31, 2016 - July 8, 2016	
	MWF 1:00pm - 3:30pm	BPS 1238

PSYC334 **Psychology of Interpersonal Relationships**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC100.

Research, theory and their practical applications pertaining to the development, maintenance and dissolution of human relationships. Processes critical to successful relating (e.g., communication, bargaining, conflict resolution), and issues associated with troubled dyadic relations with equal partners (e.g., jealousy, spouse abuse, divorce).

WB21	Ryan Curtis	Seats (Total: 30)
	Meets July 11, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

PSYC336 **Psychology of Women**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit , D General Education: DSHS

Prerequisite: PSYC100. Also offered as: WMST336. Credit only granted for: PSYC336 or WMST336.

A survey of the biology, life span development, socialization, personality, mental health, and special issues of women.

0201	Ayelet Silberberg	Seats (Total: 25)
	Meets July 11, 2016 - August 19, 2016	
	MWF 1:00pm - 3:30pm	BPS 1232

PSYC338G **Special Topics in Study Abroad III; The Social Brain: Neuropsychology of Social Behaviors**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

PSYC338P **Special Topics in Study Abroad III; Positive Psychology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

PSYC389 **Experiential Learning**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

Internship in psychology-related fields.

WB11	Steven Young	Seats (Total: 20)
	Meets May 31, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

PSYC432 **Counseling Psychology: Theories, Research, and Practice**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC200.

Analysis of research and intervention strategies developed and used by counseling psychologists. Historical and current trends in content and methodology.

HY21	Kevin McGann	Seats (Total: 25)
	Meets July 11, 2016 - August 19, 2016	
	MW 10:00am - 12:30pm	BPS 1232
	Class time/details on ELMs	ONLINE

PSYC433 **Basic Helping Skills: Research and Practice**

Credits: 4 Grading Method: Regular

Prerequisite: PSYC300; and (PSYC434, PSYC334, PSYC353, PSYC435, PSYC436, or PSYC432). Restriction: Must be in Psychology program; and must have earned a minimum of 85 credits.

Theories and research regarding effective helping skills. Students will practice helping skills with each other and will conduct research projects evaluating their helping skills. Students should be willing to talk about personal issues in class. Because of the participatory nature of this class, attendance normally will be included in the computation of grades.

0101	Skyler Jackson	Seats (Total: 25)
	Meets May 31, 2016 - July 8, 2016	
	MWF 10:00am - 1:00pm	BPS 1232

PSYC436 **Introduction to Clinical Psychology: From Science to Practice**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC300.

Critical analysis of clinical psychology, with particular emphasis on current developments and trends.

Contact department for information to register for this course.

PSYC479 **Special Research Problems in Psychology**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

PSYC629 **Clinical Laboratory**

(Perm req)

Credits: 1-3 Grading Method: Sat-Fail

Provides advanced supervised experience in the delivery and supervision of mental health interventions targeted to individuals. Supervised work with clients is required.

0101	Mary Byrne **Meets May 31, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 20)
0120	Aditi Vijay **Meets May 31, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)

PSYC632 **Behavioral and Cognitive Behavioral Intervention for Children and Adolescents**

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of instructor; and must be in one of the following programs (Psychology (Master's); Psychology (Doctoral)). Formerly: PSYC789A.

Introduces students to the process of therapy with particular focus on behavioral and cognitive behavioral interventions in children and adolescents. Syllabus focuses on theory, research, client diversity, ethics and practical aspects of conducting therapy.

PCC1	Julia Felton **Meets May 31, 2016 - August 19, 2016** Tu 6:00pm - 9:15pm *Restricted to students in MPS in Clinical Psychological Science program*	Seats (Total: 40) BPS 0283

PSYC638 **Externship in Professional Psychology**

(Perm req)

Credits: 1-3 Grading Method: Sat-Fail

Approved appointment as an extern in a mental health setting.

0101	Jack Blanchard **Meets May 31, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)
0102	Karen O'Brien **Meets May 31, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 15)
I101	Karen O'Brien **Meets May 31, 2016 - August 16, 2016** Contact instructor or department for details.	Seats (Total: 10)
I201	Karen O'Brien **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 5)

PSYC639 **Internship in Professional Psychology**

Credits: 1 Grading Method: Sat-Fail

This seminar combines involvement with a program approved appointment a an intern in a mental setting with a supervisory review of the training experience.

Contact department for information to register for this course.

PSYC650 **Culture and Diversity in Mental Health**

Credits: 3 Grading Method: Regular

Restriction: Must be enrolled in the Clinical Psychological Science MPS program.

Review literature regarding the role of culture and diversity in mental health and how culture and diversity are integrated into research and are related to mental health and mental health service utilization. Examine principles and concepts of multicultural and cross-cultural psychology to acquire an increased understanding of diverse underrepresented groups and topics to consider when involved with research and/or clinical work with individuals having diverse backgrounds (e.g., cultures, ethnicities, genders, sexual orientations, and socioeconomic status).

PCC1	Aditi Vijay **Meets May 31, 2016 - August 19, 2016** Th 6:00pm - 9:15pm *Restricted to students in the MPS in Clinical Psychological Science Program.*	Seats (Total: 40) BPS 0283

PSYC665 **Understanding Torture and Trauma II**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: PSYC663. Restriction: Must be in the Graduate Certificate of Professional Studies in Treating Survivors of Violence, Torture, and Trauma: Theoretical Foundations and Mental Health; or permission of instructor.

This is the second course in a searies of two classes focused on theory research, and psychological interventions related to the treatment of survivors of torture and trauma. Current approaches to treatment of torture survivors, as well as psychological, social/familial, spiritual, physical, community, and political implications of torture will be introduced.

PLV1	Sheetal Patel	Seats (Total: 25)
	Meets May 31, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE
	Restricted to students in the VTT Program.	

PSYC789 **Special Research Problems**

Credits: 1-4

Grading Method: Regular, Audit

Contact department for information to register for this course.

PSYC799 **Master's Thesis Research**

Credits: 1-6

Grading Method: Regular

Contact department for information to register for this course.

PSYC898 **Pre-Candidacy Research**

Credits: 1-8

Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

PSYC899 **Doctoral Dissertation Research**

Credits: 1-8

Grading Method: Regular

Contact department for information to register for this course.

PUAF Public Policy Summer 2016

PUAF359E **Contemporary Issues in Political Leadership and Participation; Ethiopia: Policy and Politics of Economic Development in Africa**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Special topics in political leadership and participation.

Contact department for information to register for this course.

PUAF386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular

Prerequisite: Permission of PUAF-School of Public Policy. Repeatable to 12 credits if content differs.

I101	Nina Harris **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 5)
I201	Nina Harris **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 3)

PUAF610 **Quantitative Aspects of Public Policy**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

Introduces statistical methods needed for evaluating and choosing among policy options. Topics include probability; decision-making under uncertainty; the organization, interpretation, and visual display of complex data; prediction and inferences about causality; hypothesis testing; and linear and multiple regression. Develops analytical skills and the ability to apply theory to complex, real-world problems.

Contact department for information to register for this course.

PUAF640 **Microeconomic and Policy Analysis**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

Applies intermediate microeconomic theory to public policy issues: resource allocation by firms and consumers; the response of economic agents to changes in incentives; market allocations in competitive and non-competitive environments; and market failures and government remedies. Uses extended case studies of particular issues in such areas as the environment (acid rain), international trade (tariffs), industry regulation (cable TV), and the provision of public goods (highways).

Contact department for information to register for this course.

PUAF641 **Macroeconomics and Policy Analysis**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

Studies the behavior of the economy as a whole: the level of national income, unemployment, and inflation; the vulnerability of the U.S. economy to external influences; possible federal influence over the level of economic activity; and the consequences for prices, employment and the U.S. trade deficit. Also examines possible U.S. policy responses to widespread debt crises in developing countries.

0201	Holti Banka	Seats (Total: 20)	
	Meets July 11, 2016 - August 19, 2016		
	MW 6:00pm - 9:15pm	VMH 1207	
	TuTh 6:00pm - 9:15pm	VMH 1207	Discussion

PUAF650 **Moral Dimensions of Public Policy**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

Explores the moral issues involved in public policy questions; the limits and usefulness of decision-making tools; problems of choosing, justifying and using criteria to judge a program's success and suitability; ethichal issues involving the welfare state and income distribution; and possible obligations beyond one's political community and generation.

Meets in Chantilly, VA.

Contact department for information to register for this course.

PUAF670 **Public Budgeting & Financial Management**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

Covers how governments raise, spend, borrow, and manage public funds. Reviews federal,state, and local budget processes and introduces analytical techniques including basic spreadsheet skills, evaluating alternative revenue sources, revenue and expenditure forecasting, cost allocation, capital budgeting, cost-benefit analysis, discounting and present value, bond analysis, cash management and intergovernmental finance.

Contact department for information to register for this course.

PUAF671 **Public Sector Finance**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

The goal of this course is to provide a useful overview of basic public sector financial management principles in a simulated managerial situation to midcareer students currently working in government and nonprofit organizations.

Contact department for information to register for this course.

PUAF688W **Topics in Public Policy; Ethiopia: Policy and Politics of Economic Development in Africa**

Credits: 3 Grading Method: Regular, Audit

Special topics in Public Policy.

Contact department for information to register for this course.

PUAF688X **Topics in Public Policy; Performance Management**

Credits: 1-3 Grading Method: Regular, Audit

Special topics in Public Policy.

Contact department for information to register for this course.

PUAF689X **Public Policy Topics; Performance Management**

Credits: 3 Grading Method: Regular, Audit

Special Topics in Public Policy.

Contact department for information to register for this course.

PUAF692 **Leadership Principles and Practices**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

This course will introduce leadership principles and practices to students by focussing on the theory of leadership, different leadership themes and skills, and discussions with practitioners.

Contact department for information to register for this course.

PUAF698 **Selected Topics in Public Affairs**

Credits: 1-3 Grading Method: Regular, Audit

Special topics that arise in public policy.

Contact department for information to register for this course.

PUAF698A **Selected Topics in Public Affairs; Smart Growth**

Credits: 3 Grading Method: Regular, Audit

Special topics that arise in public policy.

Contact department for information to register for this course.

PUAF698C **Selected Topics in Public Affairs; Intelligence and Policy**

Credits: 3 Grading Method: Regular, Audit

Special topics that arise in public policy.

Contact department for information to register for this course.

PUAF698F **Selected Topics in Public Affairs; Jobs, Justice and the Environment**

Credits: 3 Grading Method: Regular, Audit

Special topics that arise in public policy.

Contact department for information to register for this course.

PUAF698N **Selected Topics in Public Affairs; Intelligence Policy and Organizations**

Credits: 3 Grading Method: Regular, Audit

Special topics that arise in public policy.

Examines the role of intelligence as an instrument of state-with heavy emphasis on the American context. Reviews the development of intelligence defined to cover the collection on information, covert action and counter intelligence. Foreign intelligence contexts will be introduced primarily to highlight the unique aspects of the American intelligence environment. Describes the reason civil and military leaders create and use intelligence services, principles of organization and practice commonly used in intelligence, and the relationship between intelligence and policy. Also offered as PUAF388N.

Contact department for information to register for this course.

PUAF698P **Selected Topics in Public Affairs; Information Technology and Policy**

Credits: 3 Grading Method: Regular, Audit

Special topics that arise in public policy.

Contact department for information to register for this course.

PUAF698T **Selected Topics in Public Affairs; Managing Across Sectors**

Credits: 3 Grading Method: Regular, Audit

Special topics that arise in public policy.

Contact department for information to register for this course.

PUAF698X **Selected Topics in Public Affairs; Performance Management and Leading for Results**

Credits: 1-3 Grading Method: Regular, Audit

Special topics that arise in public policy.

Contact department for information to register for this course.

PUAF699G **Selected Topics Public Policy; Leadership in Groups and Organizations**

Credits: 3 Grading Method: Regular, Audit

Special topics that arise in public policy.

Contact department for information to register for this course.

PUAF699O **Selected Topics Public Policy; 21st Century Policy Challenges**

Credits: 3 Grading Method: Regular, Audit

Special topics that arise in public policy.

Contact department for information to register for this course.

PUAF699R **Selected Topics Public Policy; Critical Thinking and Analytical Methodology**

Credits: 1-3 Grading Method: Regular, Audit

Special topics that arise in public policy.

Contact department for information to register for this course.

PUAF699T **Selected Topics Public Policy; Terrorism Analysis: Tools & Practices**

Credits: 3 Grading Method: Regular, Audit

Special topics that arise in public policy.

Contact department for information to register for this course.

PUAF699V **Selected Topics Public Policy; Homeland Security Policy**

Credits: 3 Grading Method: Regular, Audit

Special topics that arise in public policy.

Contact department for information to register for this course.

PUAF699W **Selected Topics Public Policy; Motivations and Intents of Terrorism**

Credits: 3 Grading Method: Regular, Audit

Special topics that arise in public policy.

Contact department for information to register for this course.

PUAF699X **Selected Topics Public Policy; Organizational Behavior**

Credits: 3 Grading Method: Regular, Audit

Special topics that arise in public policy.

Meets in Chantilly, VA.

Contact department for information to register for this course.

PUAF711 **Public Management and Leadership**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

Reviews the managerial, political, and ethical problems faced by public sector managers and leaders, including setting an organization's goals, obtaining and protecting a program mandate, designing a service delivery system and implementing a new program.

0101	Elizabeth Duke	Seats (Total: 20)
	Meets May 31, 2016 - July 8, 2016	
	TuTh 5:30pm - 8:45pm	VMH 1203

PUAF712 **Analysis of Fiscal Conditions**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

The financial operations of U.S. government at various levels, with emphasis on local governments. Practical problems in revenue management, including revenue forecasting and cash flow analysis; debt management operations, such as borrowing; intergovernmental financial operations, such as grants management and reporting requirements, and personnel management issues that have a direct bearing on governmental finances.

Contact department for information to register for this course.

PUAF724 **Problems of Global Security**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Formerly: PUAF698W.

Explores the international security implications of globalization, presenting evidence indicating that altered circumstances will eventually induce a major redesign of prevailing security arrangements. Includes three segments: 1) a review of the principal problems that have been the focus of established security policy and would be the context for any major adjustment of policy; 2) an assessment of relationships with the major countries where traditional problems are most acutely present; and 3) a review of the organizing principles that can be expected to emerge in the new situation.

Contact department for information to register for this course.

PUAF740 **Public Policy and the Environment**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

Surveys of major federal environmental legislation; the development and implementation of laws, and alternative ways of thinking about the relationship between humans and the environment.

Contact department for information to register for this course.

PUAF752 **Managing Differences:Resolving Conflict and Negotiating Agreements**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

Enhances the student's negotiation and leadership skills for managing differences between individuals and groups. Students study the nature of conflict, learn how to handle two and multiparty conflicts, exerting leadership where there are no hierarchy leaders, and explore the impact of facilitators and mediators on the negotiating process. Blends skill building exercises and theory discussions about the behavior of groups and individuals in groups to understand negotiation dynamics.

0101	Charles Field	Seats (Total: 20)
	Meets May 31, 2016 - June 25, 2016	
	TuTh 5:30pm - 9:00pm	VMH 1107
	Course will meet on two Saturdays, June 11 and June 25 from 9am to 5:30 pm.	

PUAF753 **Advanced Negotiations**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: PUAF752. Credit only granted for: PUAF698C or PUAF753. Formerly: PUAF698C.

Deepens the student's negotiation and leadership skills for managing differences between individuals and groups. Cover conflict, escalation, dealing with intractable conflicts, sustaining agreements in inter-group conflicts, and the effects of trauma on negotiations.

Contact department for information to register for this course.

PUAF770 **Seminar in Housing and Community Development Strategies**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy.

Detailed examination of community and social policy issues relating to the construction and management of affordable housing.

Contact department for information to register for this course.

PUAF772 **Housing Finance**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be enrolled in the executive training program sponsored by the Department of Housing and Urban Development.

Fundamentals of housing investment analysis. Structuring feasibility analyses, appraisals, pro forma statements, return on investment, leverage analysis, underwriting ratios, taxation and syndication.

Contact department for information to register for this course.

PUAF774 **Asset Management**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be enrolled in the executive training program sponsored by the Department of Housing and Urban Development.

Asset manager's role at each stage of the property's life cycle and property analysis, including cash flow debt and staffing. Topics include capital needs; major building systems, costs and useful lives; marketing and outreach; and anti-crime strategies. Field trips to problem properties to perform cost/benefit analysis, diagnose potential cures, and prepare action plans.

Contact department for information to register for this course.

PUAF790 **Project Course**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

Students work at a sponsoring government agency or private firm researching problem of interest to sponsor and relevant to concentration. Emphasis on problem definition, organizing information, and both oral and written presentation of results.

Contact department for information to register for this course.

PUAF798 **Readings in Public Policy**

Credits: 1-3 Grading Method: Regular, Audit

Guided readings for discussions on public policy.

Contact department for information to register for this course.

PUAF798A **Readings in Public Policy; Readings in Public Policy**

Credits: 1-3 Grading Method: Regular, Audit

Guided readings for discussions on public policy.

Restricted to PUAF majors or permission of instructor.

Contact department for information to register for this course.

PUAF798B **Readings in Public Policy; Readings in Public Policy**

Credits: 1-3 Grading Method: Regular, Audit

Guided readings for discussions on public policy.

Restricted to PUAF majors or permission of instructor.

Contact department for information to register for this course.

PUAF898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

PUAF899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

RDEV Real Estate Development Summer 2016

RDEV689B **Current Topics in Real Estate Development; Principles & Practice of Affordable Housing**

Credits: 3 Grading Method: Regular, Audit

Explores a focused aspect in any of the five major phases of real estat development: planning, finance, law, design, construction, or management.

0201	jEFFREY LESK	Seats (Total: 20)
	Meets July 11, 2016 - August 19, 2016	
	MTh 6:40pm - 10:00pm	ARC 1127

RDEV689N **Current Topics in Real Estate Development; Construction Methods and Materials: Introduction**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Explores a focused aspect in any of the five major phases of real estat development: planning, finance, law, design, construction, or management.

Prerequisite: permission of department.

0101	Robert McClennan	Seats (Total: 15)
	Meets May 31, 2016 - July 8, 2016	
	MTh 6:30pm - 9:45pm	ARC 1103

RDEV689Y **Current Topics in Real Estate Development; Guided Real Estate Development Project**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Explores a focused aspect in any of the five major phases of real estat development: planning, finance, law, design, construction, or management.

Permission of the department required to register.

0101	Margaret McFarland	Seats (Total: 20)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	

RELS Religious Studies Summer 2016

RELS269G **Special Topics in Study Abroad II; From Asoka to Gandhi: Buddhism and Hinduism in Contemporary Society**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

RELS346 **History of Religion in America**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: HIST255, HIST211, HIST156, HIST254, HIST213, HIST157, or HIST210; or permission of instructor. Also offered as: HIST306. Credit only granted for: HIST306 or RELS346.

A history of religion, religious movements, and churches in America from the early Colonial period to the present, with special attention to the relation between church and society.

WB31	Miles Bradbury	Seats (Total: 40)
	Meets May 31, 2016 - June 17, 2016	
	Class time/details on ELMs	ONLINE

RELS369R **Special Topics in Study Abroad III; Christianity and the Roman Empire (100-425CE)**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

RUSS Russian Summer 2016

RUSS386 **Experiential Learning**

Credits: 3-6

Grading Method: Regular, Pass-Fail

Restriction: Junior standing or higher; and permission of ARHU-School of Languages, Literatures, and Cultures department.

0101	Cynthia Martin	Seats (Total: 5)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	
0201	Cynthia Martin	Seats (Total: 5)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	

RUSS398G **Selected Topics in Russian Language and Literature; Russian Grammar**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: RUSS 102 or higher. Course covers the basic grammatical categories of conjugations and declensions, including analysis of aspect, case usage. Students level will be assessed at the beginning of the course so that assignments may be individualized as appropriate.

WB11	Cynthia Martin	Seats (Total: 15)
	Meets May 31, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE

RUSS409A **Selected Topics in Russian Language Study; Advanced Russian Grammar for Reading**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Presentation of a topic in Russian language study.

Prerequisite: RUSS 102 or higher. Course is intended to help students improve their reading skills by focusing on syntax and fundamental structures (such as participles) encountered in common written texts. The main focus will be on reading the contemporary Russian media sources, but students will be encouraged to read other genres related to their individual interests. Students level will be assessed at the beginning of the course so that assignments may be individualized as appropriate.

WB21	Cynthia Martin	Seats (Total: 15)
	Meets July 11, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

RUSS499 **Independent Study in Russian**

(Perm req)

Credits: 1-3 Grading Method: Regular

Independent study under faculty supervision.

Contact department for information to register for this course.

SLLC School of Languages, Literatures and Cultures Summer 2016

SLLC169B **Special Topics in Study Abroad I; Elementary Basque I**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SLLC169C **Special Topics in Study Abroad I; Elementary Basque II**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SLLC169D **Special Topics in Study Abroad I; Great Czech Writers**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SLLC169L **Special Topics in Study Abroad I; Basque Language and Culture**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SLLC269C **Special Topics in Study Abroad II; Basque Language and Culture**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SLLC299A **Special Topics in World Cultures; Exploring Confucius' China**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Topic to be announced when course is offered.

Contact department for information to register for this course.

SLLC299R **Special Topics in World Cultures; Elementary Italian I**

Credits: 4

Grading Method: Regular, Pass-Fail, Audit

Topic to be announced when course is offered.

Contact department for information to register for this course.

SLLC299Z **Special Topics in World Cultures; Spanish Civilization and Culture**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Topic to be announced when course is offered.

Contact department for information to register for this course.

SLLC368G **Special Topics in Film Studies I; The Road Movie**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Content varies. Exploration of topics in film studies beyond national traditions, for example through the lens of theory, genre, auteurship, aesthetic movements in cinema, and/or comparative perspectives.

Also offered as FILM 359G. Credit granted for FILM 359G or SLLC 368G. The road movie, defined by W. Everett as "a fluid and open-ended genre which uses the narrative trajectory of road as an extended metaphor of of quest and discovery through which to approach fundamental concepts of reality, should enlighten us about important modern and contemporary issues such as self-discovery, displacement, exile, border-crossing, and the interfaces between the national and supra-national identities. We will screen films from Argentina, Australia, Bhutan, Brazil, Canada, China, Czech Republic, France, Germany, India, Iran, Italy, Japan, Korea Mexico, Poland, Russia, UK, US, and other countries, as well as several transnational co-productions We will study some of the most well-known road movies in conjunction with critical readings.

WB21	Jason Kuo	Seats (Total: 30)
	Meets July 11, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

SLLC368M **Special Topics in Film Studies I; Global Cinema Censorship from the Cold War to the Digital Age**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Content varies. Exploration of topics in film studies beyond national traditions, for example through the lens of theory, genre, auteurship, aesthetic movements in cinema, and/or comparative perspectives.

Also offered as FILM 329M. Credit granted for FILM 329M or SLLC 368M. This course will consider the global censorship of features films and other moving images (including animations, online videos, and art gallery projections) since 1945 to the present day. These films and moving images, censored, challenged, or banned on political, social, sexual, religious grounds, and for violent contents, will provide fascinating material to consider the relationship culture and politics, morality, and ideology.

WB11	Jason Kuo	Seats (Total: 30)
	Meets May 31, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE

SLLC369A **Special Topics in Study Abroad III; Alternative Culture, Literature, Music and Lifestyles**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SLLC369C **Special Topics in Study Abroad III; Czech Film**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SLLC499N **Special Topics in World Cultures; Native American Languages and Cultures**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Interdisciplinary, transnational or cross-language course; specific topic to be announced.

Also offered ANTH673 and SLLC499N. Credit granted for ANTH473 o ANTH673 or SLLC499N.

WB11	Jacqueline Messing	Seats (Total: 25)
	Meets May 31, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE

SOCY Sociology Summer 2016

SOCY100 **Introduction to Sociology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: SB General Education: DSHS

The fundamental concepts and principles of sociology. Includes consideration of culture, patterns of social interaction, norms, values, social institutions, stratification, and social change.

WB61	Carrie Clarady	Seats (Total: 30)
	Meets August 1, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE
	To register for this course after July 15, 2016, e-mail summer@umd.edu.	

SOCY105 **Introduction to Contemporary Social Problems**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: SB General Education: DSHS

An examination of contemporary social problems through sociological perspectives; ways in which social problems are part of the organization of society; a detailed study of selected social problems including social conflict and social inequality.

WB31	Denae Johnson	Seats (Total: 30)
	Meets May 31, 2016 - June 17, 2016	
	Class time/details on ELMs	ONLINE

WB41	Jonathan Cox	Seats (Total: 30)	
	Meets July 11, 2016 - July 29, 2016		
	Class time/details on ELMs	ONLINE	

SOCY200 **Human Societies**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS, SCIS

A comparative, historical, interdisciplinary study of human socieities that focuses on the main components of human societies, how they are organized, how they change, and how they come to shape our collective social existence.

0201	John Pease	Seats (Total: 30)	
	Meets July 11, 2016 - August 19, 2016		
	MTuWThF 9:30am - 11:15am	ASY 3219	
	Click here for more course information.		

SOCY201 **Introductory Statistics for Sociology**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | General Education: FSAR

Prerequisite: SOCY100; and (MATH107 or MATH111). Or students who have taken courses with comparable content may contact the department. Restriction: Must not have completed STAT400, BMGT231, or ENEE324. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON230, ECON321, EDMS451, GEOG306, GEOL351, GVPT422, PSYC200 or SOCY201.

Elementary descriptive and inferential statistics. Construction and percentaging of bivariate contingency tables; frequency distributions and graphic presentations; measures of central tendency and dispersion; parametric and nonparametric measures of association and correlation; regression; probability; hypothesis testing; the normal, binomial and chi-square distributions; point and interval estimates.

HY21	Alan Neustadtl	Seats (Total: 30)	
	Meets July 11, 2016 - August 19, 2016		
	MWF 9:30am - 10:50am	ASY 3207	
	MW 12:00pm - 1:50pm	LEF 0234	Lab
	Class time/details on ELMs	ONLINE	Discussion

SOCY203 **Sociological Theory**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SOCY100.

Development of the science of sociology; historical backgrounds; recent theories of society. Required of all sociology majors.

Click here for more course information.

WB51	Zachary Richer	Seats (Total: 30)
	Meets June 20, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE

SOCY380 **Honors Independent Reading in Sociology**

Credits: 3 Grading Method: Regular, Pass-Fail

Restriction: Permission of BSOS-Sociology department. Formerly: SOCY378.

This course permits sociology honor students to undertake a program or reading on a particular problem in sociology or a subfield therein. The reading will be done under the supervision of a member of the sociology faculty. Required of sociology honor students.

Contact department for information to register for this course.

SOCY381 **Honors Independent Research in Sociology**

Credits: 3 Grading Method: Regular, Pass-Fail

Prerequisite: SOCY380. Formerly: SOCY388.

This course permits sociology students to define a particular problem in sociology or a subfield therein and to develop a research plan for use as a thesis topic. The work will be done under the supervision of a member of the sociology faculty.

Contact department for information to register for this course.

SOCY383 **Honors Thesis Research**

Credits: 3 Grading Method: Regular, Pass-Fail

Prerequisite: SOCY381. Formerly: SOCY389.

Student research under the direction of a member of the sociology faculty, culminating in the presentation and defense of a thesis reporting the research.

Contact department for information to register for this course.

SOCY386 **Experiential Learning**

(Perm req)

Credits: 3-6

Grading Method: Regular, Pass-Fail

Restriction: Permission of BSOS-Sociology department; and junior standing or higher.

Contact department for information to register for this course.

SOCY399 **Independent Study in Sociology**

(Perm req)

Credits: 1-6

Grading Method: Regular, Pass-Fail, Audit

Integrated reading or research under the direction and supervision of a faculty member. A maximum of 6 credits may be earned by a student for the same field experience in SOCY386 and SOCY399 combined.

Contact department for information to register for this course.

SOCY441 **Social Stratification and Inequality**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department. Restriction: Junior standing or higher.

The sociological study of social class, status, and power. Topics include theories of stratification, correlates of social position, functions and dysfunctions of social inequality, status inconsistency, and social mobility.

WB51	John Pease	Seats (Total: 20)
	Meets June 20, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE
	To register for this course after June 6, 2016, e-mail summer@umd.edu.	

SOCY467 **Sociology of Education**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department.

Sociological analysis of educational institutions and their relation to society: goals and functions, the mechanisms of social control, and the impacts of stratification and social change. Study of the school as a formal organization, and the roles and subcultures of teachers and students.

0201	Gregory White	Seats (Total: 30)
	Meets July 11, 2016 - August 19, 2016	
	MTuWTh 6:00pm - 7:35pm	ASY 3207

SOCY699 **Special Social Problems**

Credits: 3 Grading Method: Regular, Audit

Contact department for information to register for this course.

SOCY799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

SOCY898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

SOCY899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

SPAN Spanish Summer 2016

SPAN103 **Intensive Elementary Spanish**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a native/fluent speaker of Spanish. Credit only granted for: SPAN102 or SPAN103.

Covers speaking, reading, writing, listening, and culture of Spanish-speaking world.

0101	Keisha Allan **Meets May 31, 2016 - July 8, 2016** MTuWTh 9:30am - 11:45am	Seats (Total: 25) EDU 3315
0102	Norman Mora Quintero **Meets May 31, 2016 - July 8, 2016** TuWTh 6:00pm - 9:00pm	Seats (Total: 25) TWS 1106
0201	Nancy Naranjo Garcia **Meets July 11, 2016 - August 19, 2016** TuWTh 6:00pm - 9:00pm	Seats (Total: 25) KEY 0125

SPAN169W **Special Topics in Study Abroad I; Introduction to Spanish Lanuage I**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SPAN169X **Special Topics in Study Abroad I; Elementary Spanish I**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SPAN169Y **Special Topics in Study Abroad I; Elementary Spanish II**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SPAN169Z **Special Topics in Study Abroad I; Introduction to Spanish Lanuage II**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SPAN203 **Intensive Intermediate Spanish**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit CORE: HO

Prerequisite: SPAN103; or must have appropriate Foreign Language Placement Test (FLPT) score.
Restriction: Must not be a native/fluent speaker of Spanish.

Covers speaking, reading, writing, listening, and culture of Spanish-speaking world.

0101	Monica Ocasio	Seats (Total: 25)
	Meets May 31, 2016 - July 8, 2016	
	MTuWTh 9:30am - 11:45am	TWS 1106

0201	Daniela Bulansky **Meets July 11, 2016 - August 19, 2016** MTuWTh 9:30am - 11:45am	Seats (Total: 25) TWS 1321
0202	Evelyn Canabal-Torres **Meets July 11, 2016 - August 19, 2016** TuWTh 6:00pm - 9:00pm	Seats (Total: 25) TLF 1103

SPAN204 **Spanish Grammar Review**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO

Prerequisite: SPAN203; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Not open to fluent/native speakers of Spanish.

An in-depth study and analysis of selected grammatical topics in a contextualized framework.

HY11	Sebastian Bartis **Meets May 31, 2016 - July 8, 2016** Th 6:00pm - 9:20pm Class time/details on ELMs	Seats (Total: 25) KEY 0126 ONLINE

SPAN207 **Reading and Writing in Spanish**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU

Prerequisite: Minimum grade of B+ in SPAN203; or must have completed or be concurrently enrolled in SPAN204; or must have appropriate Foreign Language Placement Test (FLPT) score.

Selected readings with emphasis on reading comprehension and the development of reading strategies. Work in composition writing and a review of selected grammatical topics. Complements material of SPAN204.

0101	Chila Hidalgo **Meets May 31, 2016 - July 8, 2016** MW 6:00pm - 9:25pm	Seats (Total: 25) KEY 0116

SPAN269I **Special Topics in Study Abroad II; Intensive Intermediate Spanish**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SPAN269P **Special Topics in Study Abroad II; Spanish Oral Techniques**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SPAN301 **Advanced Grammar and Composition I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed or be concurrently enrolled in SPAN207.

Practice of complex grammatical structures through reading and writing of compositions and essays. Specific lexical, syntactic, rhetorical, and stylistic devices will be highlighted.

HY11	Daybert Linares **Meets May 31, 2016 - July 8, 2016** W 6:00pm - 9:20pm Class time/details on ELMs	Seats (Total: 20) KEY 0103 ONLINE
HY21	Kayla Watson **Meets July 11, 2016 - August 19, 2016** Th 6:00pm - 9:20pm Class time/details on ELMs	Seats (Total: 20) KEY 0126 ONLINE

SPAN302 **Advanced Grammar and Composition II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN301.

Practice in and writing of different types of compositions and essays, including narrations, descriptions, and persuasive writing. Review of problematic syntactical structures.

Contact department for information to register for this course.

SPAN303 **Approaches to Cultural Materials in the Hispanic World**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU

Prerequisite: SPAN207; or permission of instructor.

Development of proficiency in critical thought through the reading, viewing, and analytical discussion of major genres and styles of cultural materials selected from Spanish-speaking world. Taught in Spanish.

0101	Douglas Glynn **Meets May 31, 2016 - July 8, 2016** MW 9:30am - 12:55pm	Seats (Total: 20) HBK 1112
0201	Matthew Lewis **Meets July 11, 2016 - August 19, 2016** TuTh 6:00pm - 9:20pm	Seats (Total: 20) KEY 0120

SPAN312 **Advanced Conversation II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN311. Restriction: Must not be a native/fluent speaker of Spanish.

Continued mastery of listening and speaking skills in Spanish. Opportunity to develop oral fluency, improve pronunciation, and increase vocabulary. Emphasis on colloquial and technical language as well as development of linguistic accuracy. Individual and/or group oral presentation.

Contact department for information to register for this course.

SPAN315 **Commercial Spanish I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN301 and SPAN303; or permission of ARHU-School of Languages, Literatures, and Cultures department.

Business Spanish terminology, vocabulary and practices. Emphasis on everyday spoken and written Spanish. Readings and discussions of Spanish commercial topics. May include exposure to Spanish commercial topics. May include exposure to Spanish business environments.

WB11	Fabian Faccio **Meets May 31, 2016 - July 8, 2016** Class time/details on ELMs	Seats (Total: 20) ONLINE

SPAN333 **Spanish Culture, Civilization and Literature III: Modern Times**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN301 and SPAN303; or permission of instructor. Restriction: Must not have completed SPAN322 or SPAN326. Credit only granted for: SPAN322, SPAN326, or SPAN333.

An overview of cultural and literary production of Spain from the late 17th century through the present day, exploring the production of literary texts in their socio-historical, political, religious and cultural contexts and development. Taught in Spanish.

Contact department for information to register for this course.

SPAN369C **Special Topics in Study Abroad III; Spanish Culture and History**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SPAN369O **Special Topics in Study Abroad III; Spanish Conversation and Oral Skills**

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SPAN369P **Special Topics in Study Abroad III; Spanish Oral Techniques**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SPAN386 **Experiential Learning**

Credits: 3-6 Grading Method: Regular, Pass-Fail

Prerequisite: Permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Junior standing or higher.

I101	Fabian Faccio	Seats (Total: 5)
	Meets May 31, 2016 - August 19, 2016	
	Contact instructor or department for details.	

SPAN399 **Independent Study in Spanish**

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Specific readings in literature or a translation project under the supervision of a faculty member of the department.

Contact department for information to register for this course.

SPAN401 **Advanced Composition I**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN302; or permission of ARHU-School of Languages, Literatures, and Cultures department.

Compositions and essays with emphasis on stylistics, idiomatic and syntactic structures. Organization and writing of research papers.

Contact department for information to register for this course.

SPAN402 **Advanced Composition II**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN401; or permission of ARHU-School of Languages, Literatures, and Cultures department.

Compositions and essays with emphasis on stylistics, idiomatic and syntactic structures. Organization and writing of research papers.

Contact department for information to register for this course.

SPAN408J **Great Themes of the Hispanic Literatures; Contemporary Mexican Literature**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Major themes in the literature of Spain or Spanish-America. Each theme will be announced when the course is offered.

Contact department for information to register for this course.

SPAN408X **Great Themes of the Hispanic Literatures; Spain: Salamanca and Barcelona**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Major themes in the literature of Spain or Spanish-America. Each theme will be announced when the course is offered.

Contact department for information to register for this course.

SPAN408Y **Great Themes of the Hispanic Literatures; Contemporary Spanish Short Story**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Major themes in the literature of Spain or Spanish-America. Each theme will be announced when the course is offered.

Contact department for information to register for this course.

SPAN409B **Great Themes of the Hispanic Literatures; 20th Century and Contemporary Latin American Short Story**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Pervading themes in the literature of Spain or Spanish-America. Each theme will be announced when the course is offered.

Contact department for information to register for this course.

SPAN409L **Great Themes of the Hispanic Literatures; 20th Century and Contemporary Latin American Short Story**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Pervading themes in the literature of Spain or Spanish-America. Each theme will be announced when the course is offered.

Contact department for information to register for this course.

SPAN439A **Selected Topics in Spanish; Spanish in the Media**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics and requirements will vary.

This is an online course for students with a strong interest in Journalism, Communications or Public Relations and for all who want to explore Spanish Language and Culture in the Mass Media. Through the analysis of the local and international press, the students will be able to understand the Hispanic World as well as develop reading, writing and speaking skills in all journalistic genres

WB21	Maria Monsalve	Seats (Total: 20)
	Meets July 11, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

SPAN464 **Contemporary Spanish Poetry**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN333, SPAN361, SPAN331, SPAN332, SPAN362, or SPAN363.

Spanish poetry from the generation of 1927 to the present.

Contact department for information to register for this course.

SPAN474 **Central American Literatures, Cultures, and Histories**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN333, SPAN361, SPAN331, SPAN332, SPAN362, or SPAN363.

An overview of Central American history and cultural production, focusing primarily but not exclusively on literary texts.

Contact department for information to register for this course.

SPAN699 **Independent Study in Spanish**

Credits: 1-3 Grading Method: Regular, Audit

This course is designed to provide graduate students an opportunity to pursue independent study under the supervision of a member of the department.

Contact department for information to register for this course.

SPAN799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

STAT Statistics and Probability Summer 2016

STAT100 **Elementary Statistics and Probability**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: MS General Education: FSAR, FSMA

Prerequisite: MATH107, MATH110, MATH112, MATH113, or MATH115; or permission of CMNS-Mathematics department; or must have math eligibility of STAT100 or higher and math eligibility is based on the Math Placement Exam or the successful completion of Math 003 with appropriate eligibility. Restriction: Must not have completed MATH111; or must not have completed any MATH or STAT course with a prerequisite of MATH141. Credit only granted for: STAT100, MATH107 or MATH111.

Simplest tests of statistical hypotheses; applications to before-and-after and matched pair studies. Events, probability, combinations, independence. Binomial probabilities, confidence limits. Random variables, expected values, median, variance. Tests based on ranks. Law of large numbers, normal approximation. Estimates of mean and variance.

0101	Sahil Chopra **Meets May 31, 2016 - July 8, 2016** MTuWThF 8:00am - 9:20am	Seats (Total: 32) MTH 0105
0201	Philip Wertheimer **Meets July 11, 2016 - August 19, 2016** MTuWThF 9:30am - 10:50am	Seats (Total: 30) MTH B0425

STAT400 **Applied Probability and Statistics I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in MATH131; or MATH141; or students who have taken courses with comparable content may contact the department. Credit only granted for: BMGT231, ENEE324, or STAT400. Additional information: Not acceptable toward graduate degrees in MATH/STAT/AMSC.

Random variables, standard distributions, moments, law of large numbers and central limit theorem. Sampling methods, estimation of parameters, testing of hypotheses.

0101	Susan Mazzullo **Meets May 31, 2016 - July 8, 2016** MTuWThF 9:30am - 10:50am	Seats (Total: 32) MTH 0307
0201	Brandon Alexander **Meets July 11, 2016 - August 19, 2016** MTuWThF 9:30am - 10:50am	Seats (Total: 30) MTH B0421

STAT401 **Applied Probability and Statistics II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (STAT400, STAT410). Additional information: Not acceptable toward graduate degrees in MATH/STAT/AMSC.

Point estimation - unbiased and consistent estimators. Interval estimation. Minimum variance and maximum likelihood estimators. Testing of hypotheses. Regression, correlation and analysis of variance. Sampling distributions. Elements of non-parametric methods.

0101	Paul Smith	Seats (Total: 22)
	Meets May 31, 2016 - July 8, 2016	
	MTuWThF 9:30am - 10:50am	MTH 0303

STAT430 **Introduction to Statistical Computing with SAS**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (STAT400, STAT410).

Descriptive and inferential statistics. SAS software: numerical and graphical data summaries; merging, sorting and splitting data sets. Least squares, regression, graphics and informal diagnostics, interpreting results. Categorical data, lifetime data, time series. Applications to engineering, life science, business and social science.

0101	Benjamin Kedem	Seats (Total: 25)
	Meets May 31, 2016 - July 8, 2016	
	MTuWThF 11:00am - 12:20pm	MTH 1311
0201	Alexey Stepanov	Seats (Total: 25)
	Meets July 11, 2016 - August 19, 2016	
	MTuWThF 9:30am - 10:50am	EGR 3114

STAT498A **Selected Topics in Statistics**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

Topics of special interest to advanced undergraduate students will be offered occasionally under the general guidance of the MATH/STAT major committee. Students register for reading in statistics under this number.

Contact department for information to register for this course.

STAT689 **Research Interactions in Statistics**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

The students participate in a vertically integrated (undergraduate, graduate and/or postdoctoral, faculty) research group. Format varies, but includes regular meetings, readings and presentations of material. See graduate program's online syllabus or contact the graduate program director for more information.

0101	Instructor: TBA **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)
0137	Yuan Liao **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)

STAT698A **Selected Topics in Probability**

(Perm req)

Credits: 1-4 Grading Method: Regular, Audit

Contact department for information to register for this course.

STAT798A **Selected Topics in Statistics**

(Perm req)

Credits: 1-4 Grading Method: Regular, Audit

Contact department for information to register for this course.

STAT799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

STAT898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

STAT899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

SUMM Summer Summer 2016

SUMM004 **Multi-Track Diplomacy: Transforming Violent Conflict Workshop**

Credits: 0 Grading Method:

Additional TuTh evening seminars, workshop times are - Friday, July 8th 6-9:00p.m.; Saturday, July 9th and Sunday, July 10th from 9:00 a.m.- 1:00 p.m. and 2:00 - 6:00p.m. This course aims to develop the concepts and professional skills needed to facilitate the transformation of societal conflict. Join us in an experiment during the weekend workshop using multi-track diplomacy to search for common ground in ongoing conflict in the Middle East. The planned simulation will be facilitated by Prof. John Davies who has over 30 years experience in using multi-track diplomacy in many countries suffering from war, terrorism, and instability around the world. No pre-requisites.

0501	John Davies	Seats (Total: 30)
	Meets June 20, 2016 - July 10, 2016	
	TuTh 6:00pm - 9:20pm	TYD 1101
	Click here for more course information.	

SUMM015 **Field Methods in Archaeology**

Credits: 0 Grading Method:

Also offered as ANTH496 and ANTH696.

Click here for more course information.

SAIP	Stephen Brighton	Seats (Total: 0)
	Meets June 10, 2016 - July 9, 2016	
	Contact instructor or department for details.	

SUMM071 **Aeorspace Engineering Profession**

(Perm req)

Credits: 0 Grading Method:

Restricted to new transfer students admitted to the Clark School of Engineering. Prerequisite: permission of department.

0201	Aileen Hentz, Briana O'Neal	Seats (Total: 5)
	Meets July 11, 2016 - August 19, 2016	
	F 9:00am - 12:00pm	EGR 2116
	Contact instructor or department for details.	

SURV Survey Methodology Summer 2016

SURV623 **Data Collection Methods in Survey Research**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: SURV400; or students who have taken courses with comparable content may contact the department.

Review of alternative data collection methods used in surveys, such as current advances in computer-assisted telephone interviewing (CATI), computer-assisted personal interviewing (CAPI), and other methods such as touchtone data entry (TDE) and voice recognition (VRE).

0101	Frederick Conrad **Meets June 6, 2016 - July 29, 2016** MW 3:00pm - 5:45pm	Seats (Total: 20) LEF 1208
SV01	Frederick Conrad **Meets June 6, 2016 - July 29, 2016** MW 3:00pm - 5:45pm *Meets at Census Bureau in Suitland, MD. Students in this section are using video stream at this location only.*	Seats (Total: 10) Location: TBA
SVW1	Matthew Jans **Meets June 6, 2016 - July 29, 2016** W 6:00pm - 7:00pm Contact instructor or department for details. *This online section is a condensed version of the on-site section. The material covered and workload are comparable. Students must have access to a standalone web camera and a headset to participate in the weekly online meetings. To apply for permission to enroll email jpsm-contact@umd.edu.*	Seats (Total: 15) ONLINE

SURV625 **Applied Sampling**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Must have completed a course in statistics approved by department.

Practical aspects of sample design. Topics include: probability sampling (including simple random, systematic, stratified, clustered, multistage and two-phase sampling methods), sampling with probabilities proportional to size, area sampling, telephone sampling, ratio estimation, sampling error estimation, frame problems, nonresponse, and cost factors.

0101	James Wagner **Meets June 6, 2016 - July 29, 2016** TuTh 12:30pm - 3:00pm	Seats (Total: 20) LEF 1208

SV01	James Wagner	Seats (Total: 10)
	Meets June 6, 2016 - July 29, 2016	
	TuTh 12:30pm - 3:00pm	Location: TBA
	Meets at Census Bureau in Suitland, MD. Students in this section are using video stream at this location only.	

SURV699 **Special Topics in Survey Methodology**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Credit according to time scheduled and organization of the course. Organized as a lecture series on specialized advanced topics in survey methodology.

0101	Frederick Conrad	Seats (Total: 10)
	Meets May 31, 2016 - August 19, 2016	
	Contact instructor or department for details.	

SURV730 **Measurement Error Models**

(Perm req)

Credits: 1 Grading Method: Regular, Audit

Prerequisite: SURV623 or SURV630; or have equivalent survey research experience. And must have completed a basic statistics course in regression modeling. Restriction: Permission of BSOS-Joint Program in Survey Methodology department.

Measurement error in survey data can significantly distort analyses of substantive interest. Means, totals, and proportions will be off if the average answer people give is inaccurate. However, measurement error distorts not only estimates of means but can also severely bias apparent relationships, conditional probabilities, means differences, and other regression-type analyses. To remove such biases it is therefore essential to estimate the extent of measurement error in survey variables. This can be done using a gold standard or, in the absence of such a standard, modeling the error. This course introduces the latter and trains students to perform regression analyses without the influence of measurement error.

SVW1	Daniel Oberski	Seats (Total: 12)
	Meets June 8, 2016 - June 29, 2016	
	W 12:00pm - 12:50pm Contact instructor or department for details.	ONLINE
	This online section is a condensed version of the on-site section. The material covered and workload are comparable. Students must have acces to a standalone web camera and a headset to participate in the weekly online meetings. To apply for permission to enroll email jpsm-contact@umd.edu.	

SURV899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

TDPS Theatre, Dance and Performance Studies Summer 2016

TDPS458R **Special Topics in Advanced Performing Arts; Civilians Residency Partnership**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Designed for performing arts students. Offers instruction at an advanced level in various aspects of performance such as Voice for the Performing Arts, Movement for the Performing Arts, Acting for the Performing Arts, Partner Dance and a myriad of specific aspects within these genres.

Work in partnership with The Civilians as a part of a professional residency. Students interested in performing, designing, directing, stage-managing, and dramaturgy are welcome and needed to shadow and help complete the creation of THE UNDERTAKING. The Civilians residency will be based on a new work of investigative THE UNDERTAKING that will premiere in fall 2016 at the Brooklyn Academy of Music (BAM). Written and directed by Steve Cosson in collaboration with a multi-disciplinary team of artists, THE UNDERTAKING examines mortality as a lens to explore how we understand life. The Civilians has conducted interviews on the theme of death and dying from both spiritual and secular perspectives, with subjects ranging from those that witness the demise of our bodies to those that engage with the questions of our souls. From these interviews we will create a new show grounded in specific, personal stories related to the big questions What is it to be alive? What is consciousness? What might happen to us after we die? The show allows its multiple verbatim stories to play out as various and contradictory attempts at truth, with all the complexity, humor, pathos and idiosyncrasies of our lived experience.

0601	Leigh Smiley	Seats (Total: 12)
	Meets August 1, 2016 - August 19, 2016	
	TuWThF 10:00am - 2:00pm	PAC 1610

THET Theatre Summer 2016

THET110 **Introduction to the Theatre**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HA General Education: DSHU

In the age of pop music and blockbuster films, of memes and viral videos, we often forget that theatre was one of the original forms of popular entertainment. We will focus on theatre practitioners including actors, directors, designers and backstage personnel to understand how theatre is produced. We will also consider popular entertainment in Europe and America, with a particular focus on musical theatre and Broadway to explore how theatre communicates, resonates, and remains relevant to all audiences.

0201	Brittany Ginder **Meets July 11, 2016 - August 19, 2016** MTuW 10:00am - 12:15pm	Seats (Total: 13) PAC 1815
XA21	Brittany Ginder **Meets July 11, 2016 - August 19, 2016** MTuW 10:00am - 12:15pm	Seats (Total: 13) PAC 1815

THET269B **Special Topics in Study Abroad II; The Meaning of Style**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

THET269M **Special Topics in Study Abroad II; Meaning of Style**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

THET285 **The Art of Communication and Presentation**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: FSOC

Credit only granted for: COMM107, COMM200, INAG110, JOUR130, or THET285.

An introduction to the fundamental practice and theory of public speaking and oral communication using theatrical techniques of both performance and the craft of storytelling.

0101	Sara Thompson **Meets May 31, 2016 - July 8, 2016** MTuW 10:00am - 12:15pm	Seats (Total: 12) PAC 1809

0201	Sara Thompson	Seats (Total: 12)
	Meets July 11, 2016 - August 19, 2016	
	MTuW 10:00am - 12:15pm	PAC 1809

THET286 **Experiential Learning I**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: THET222, THET223, and THET116. And THET114; or TDPS201. And permission of ARHU-School of Theatre, Dance & Performance Studies department.

Introductory internship in theatre. Constructed to help students in their sophomore year gain practical experience in a supportive work environment in the theatre. Student must research and propose internship to a Faculty Advisor and Internship Venue.

I101	Susan Miller	Seats (Total: 5)
	Meets May 31, 2016 - August 19, 2016	
	Contact instructor or department for details.	

THET328F **Special Topics in Intermediate Theatre and Performance; The Study of Filmed Plays**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics covered include: Intercultural Theatre, Performance Art, Puppetry, Solo Performance, or Theatrical Design.

This course focuses on cinematic adaptations of plays by comparing and contrasting the stage and screen versions in concept, writing, and production. Students will gain insight and appreciation for both art forms through structural analysis, class discussions, and written critiques. Students are required to attend public performances.

WB21	Jennifer Barclay Newsham	Seats (Total: 20)
	Meets July 11, 2016 - August 19, 2016	
	Class time/details on ELMs	ONLINE

THET499 **Independent Study**

(Perm req)

Credits: 1-3 Grading Method: Regular

An independent study course in which each student completes an assigned major theatre project under close faculty supervision. Projects may culminate with term papers, scenic or costume designs, or a stage production.

Contact department for information to register for this course.

THET789 **Master's Practicum**

(Perm req)

Credits: 1-6 Grading Method: Regular, Audit

Participation in creative and artistic activities with professional level theatrical organizations.

Contact department for information to register for this course.

THET799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

THET899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Audit

Contact department for information to register for this course.

UMEI Maryland English Institute Summer 2016

UMEI011 **Integrated English: Elementary**

Credits: 5 Grading Method: Sat-Fail

Prerequisite: Placement exam; and permission of EDUC-Dean-Maryland English Institute department.

English as a Second Language course for students at the elementary level.

UM10	Cornell Brellenthin	Seats (Total: 16)
	Meets June 6, 2016 - July 22, 2016	
	MTuWTh 9:00am - 12:30pm	EDU 3236

UMEI012 **Integrated English: Intermediate**

Credits: 5 Grading Method: Sat-Fail

Prerequisite: Placement exam; and permission of EDUC-Dean-Maryland English Institute department.

English as a Second Language course for students at the intermediate level.

UM10	Leah DeLano	Seats (Total: 16)
	Meets June 6, 2016 - July 22, 2016	
	MTuWTh 9:00am - 12:30pm	SQH 2113

UMEI013 **Integrated English: Advanced**

Credits: 5 Grading Method: Sat-Fail

Prerequisite: Placement exam; and permission of EDUC-Dean-Maryland English Institute department.

English as a Second Language for students at the advanced level.

UM10	Eric Walker	Seats (Total: 16)
	Meets June 6, 2016 - July 22, 2016	
	MTuWTh 9:00am - 12:30pm	SQH 1125

UMEI028A **Special Topics in English as a Second Language; Preparation of Academic Study in an American University**

(Perm req)

Credits: 1 Grading Method: Sat-Fail

Focuses on particular English language topics for ESL student as indicated by title. Course intended to be taken concurrently with UMEI011, UMEI012, or UMEI013; but may be taken independently with special permission.

Focuses on particular English language topics for ESL student as indicated by title. Course intended to be taken concurrently with UMEI011, UMEI012 or UMEI013; but may be taken independently with special permission.

UM10	Natalie Upshaw	Seats (Total: 25)
	Meets June 6, 2016 - July 22, 2016	
	TuTh 1:30pm - 3:30pm	ASY 3211

UMEI028G **Special Topics in English as a Second Language; Focus on Grammar**

(Perm req)

Credits: 1 Grading Method: Sat-Fail

Focuses on particular English language topics for ESL student as indicated by title. Course intended to be taken concurrently with UMEI011, UMEI012, or UMEI013; but may be taken independently with special permission.

Focuses on particular English language topics for ESL student as indicated by title. Course intended to be taken concurrently with UMEI011, UMEI012 or UMEI013; but may be taken independently with special permission.

UM10	Natalie Upshaw	Seats (Total: 25)
	Meets June 6, 2016 - July 22, 2016	
	M 1:30pm - 3:30pm	TWS 1105
	F 11:00am - 1:00pm	TWS 0201

UMEI028I **Special Topics in English as a Second Language; IELTS Exam Preparation**

(Perm req)

Credits: 1 Grading Method: Sat-Fail

Focuses on particular English language topics for ESL student as indicated by title. Course intended to be taken concurrently with UMEI011, UMEI012, or UMEI013; but may be taken independently with special permission.

Focuses on particular English language topics for ESL student as indicated by title. Course intended to be taken concurrently with UMEI011, UMEI012 or UMEI013; but may be taken independently with special permission.

UM10	Jonathan Malone	Seats (Total: 25)
	Meets June 6, 2016 - July 22, 2016	
	MW 1:30pm - 3:30pm	EDU 3233

UMEI028T **Special Topics in English as a Second Language; iBT TOEFL Strategies**

(Perm req)

Credits: 1 Grading Method: Sat-Fail

Focuses on particular English language topics for ESL student as indicated by title. Course intended to be taken concurrently with UMEI011, UMEI012, or UMEI013; but may be taken independently with special permission.

Focuses on particular English language topics for ESL student as indicated by title. Course intended to be taken concurrently with UMEI011, UMEI012 or UMEI013; but may be taken independently with special permission.

UM10	Natalie Upshaw	Seats (Total: 25)
	Meets June 6, 2016 - July 22, 2016	
	W 1:30pm - 3:30pm F 11:00am - 1:00pm	SQH 2120 SKN 1115

UMEI028V **Special Topics in English as a Second Language; Vocabulary**

(Perm req)

Credits: 1 Grading Method: Sat-Fail

Focuses on particular English language topics for ESL student as indicated by title. Course intended to be taken concurrently with UMEI011, UMEI012, or UMEI013; but may be taken independently with special permission.

Focuses on particular English language topics for ESL student as indicated by title. Course intended to be taken concurrently with UMEI011, UMEI012 or UMEI013; but may be taken independently with special permission.

UM10	Raymond Smith	Seats (Total: 25)
	Meets June 6, 2016 - July 22, 2016	
	Tu 1:30pm - 3:30pm	ASY 3203
	Th 1:30pm - 3:30pm	ASY 3203

UNIV University Courses Summer 2016

UNIV099 **Internship Seminar**

(Perm req)

Credits: 0 Grading Method: Sat-Fail

Complements students' supervised work experiences. Open to all majors; all class levels. Involves exploring career options, developing professional work skills, examining the relationship between internship and academic coursework. Course may be repeated.

Permission of Internship Coordinator required. Obtain signature and more information at the Career Center, 3100 Hornbake Library. Special fee required for this course.

CP20	Erica Ely, Theresa Hale	Seats (Total: 84)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	
CP21	Erica Ely, Theresa Hale	Seats (Total: 90)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	
CP22	Erin Rooney-Eckel	Seats (Total: 20)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	

UNIV100 **The Student in the University**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: EDCP108O or UNIV100. Formerly: EDCP108O.

Introduces students to University life. In a small classroom setting, students will explore how to successfully bridge the gap between high school and college. Study skills, career decision-making, and student development processes will be explored.

0501	Georgette Hardy	Seats (Total: 10)
	Meets June 20, 2016 - July 29, 2016	
	MW 2:00pm - 3:45pm	Location: TBA

UNIV102 **STEP: Confidence Building and Study Skills in Mathematics**

Credits: 2 Grading Method: Regular, Pass-Fail

Restriction: Must be in STEP Individual Admits program.

A mathematics preparatory class designed to facilitate a student's transition toward fundamental studies mathematics, including study skills and strategies for success.

LS21	Michael Long **Meets July 11, 2016 - July 29, 2016** MTuWThF 10:45am - 12:30pm MTuWThF 1:45pm - 3:30pm	Seats (Total: 20) PLS 1115 CSS 4404
LS22	Nicholas Acha **Meets July 11, 2016 - July 29, 2016** MTuWThF 10:45am - 12:30pm MTuWThF 1:45pm - 3:30pm	Seats (Total: 20) PLS 1129 Location: TBA
LS23	Sandra Stovall **Meets July 11, 2016 - July 29, 2016** MTuWThF 1:45pm - 3:30pm MTuWThF 10:45am - 12:30pm	Seats (Total: 20) PLS 1129 HBK 1108

UNIV103 **STEP: Making a Successful Transition to University Life**

Credits: 1 Grading Method: Regular, Pass-Fail

Restriction: Must be in STEP Individual Admits program.

A course designed to promote student awareness of university wide campu resources, and to assist students in their transition from high school to college.

LS21	Iceney Williams **Meets July 11, 2016 - July 29, 2016** MTuWThF 9:00am - 10:30am	Seats (Total: 20) SPH 0301
LS22	Randall Phyall **Meets July 11, 2016 - July 29, 2016** MTuWThF 9:00am - 10:30am	Seats (Total: 20) SPH 0303

LS23	TC Lloyd	Seats (Total: 20)
	Meets July 11, 2016 - July 29, 2016	
	MTuWThF 9:00am - 10:30am	SPH 0307

UNIV269A **Connecting Across Cultures**

Credits: 1 | Grading Method: Regular, Pass-Fail, Audit | General Education: DVCC

An examination of culture to guide study abroad students through the stages of cross cultural adjustment and to promote cultural competency by providing the motivation, knowledge and skills necessary to work with diverse individuals and teams.

Contact department for information to register for this course.

UNIV269C **Connecting Across Cultures; China: Culture, Language and Internship Program**

Credits: 1 | Grading Method: Regular, Pass-Fail, Audit | General Education: DVCC

An examination of culture to guide study abroad students through the stages of cross cultural adjustment and to promote cultural competency by providing the motivation, knowledge and skills necessary to work with diverse individuals and teams.

Contact department for information to register for this course.

UNIV318B **Special Topics in Study Abroad; Indonesia: Civil Society, Democracy and Sustainable Development**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Topics and assignments will vary by travel site, as indicated by subtitles such as Italian Art, Chinese History, and French Theater.

Contact department for information to register for this course.

UNIV339 **McNair Research Methods and Writing**

(Perm req)

Credits: 2 | Grading Method: Regular, Pass-Fail, Audit

As an introduction to qualitative and quantitatvie research methods, students will be taught how to: (1) create, analyze, and disseminate knowledge conceptually and empirically; (2) write a research document; (3) use the IRB process; (4) develop research posters; (5) read and evaluate research studies; (6) read and understand statistics; (7) conduct interviews, develop surveys, and design experiments; and (8) communicate effectively to public audiences.

CP01	Rhea Nedd	Seats (Total: 30)
	Meets May 31, 2016 - July 8, 2016	
	MF 9:00am - 5:00pm	KEY 0102

UNIV389J **Special Topics in Undergraduate Studies**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Courses will focus on interdisciplinary topics and will be planned in cooperation with Undergraduate Studies.

0101	Joan Burton	Seats (Total: 25)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	
0201	Joan Burton	Seats (Total: 25)
	Meets July 11, 2016 - August 19, 2016	
	Contact instructor or department for details.	

UNIV399 **Experiential Learning in Undergraduate Studies**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Experiential learning offered in conjunction with certain designated Office of Undergraduate Studies programs.

Contact department for information to register for this course.

UNIV399M **Experiential Learning in Undergraduate Studies; McNair Program- Research Methods**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Experiential learning offered in conjunction with certain designated Office of Undergraduate Studies programs.

0101	Instructor: TBA	Seats (Total: 20)
	Meets May 31, 2016 - July 8, 2016	
	M 9:00am - 5:00pm	WDS 1131

URSP Urban Studies and Planning Summer 2016

URSP399I **Independent Study**

(Perm req) Credits: 1-3 Grading Method: Regular

Directed research and study of selected aspects of urban affairs.

Contact department for information to register for this course.

URSP603 **Land Use Planning: Concepts and Techniques**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: URSP603, URBS680, or URBS603. Formerly: URBS603.

Land use concepts and definitions: legal context for planning; markets and planning; planning for housing; community services, employment, utilities, and transportation; zoning; subdivision regulations; growth management; plan implementation.

HY11	Denis Superczynski	Seats (Total: 15)	
	Meets May 31, 2016 - July 8, 2016		
	MW 4:00pm - 7:00pm	ARC 1125	
	Class time/details on ELMs	ONLINE	

URSP688J **Recent Developments in Urban Studies; Principles of Urban Design**

Credits: 3 Grading Method: Regular, Audit

Examination of selected current aspects of urban affairs and planning, including, for example, in the United States or neighborhood preservation in Russia. Location of course may be off-campus.

0201	Christian Calleri	Seats (Total: 15)	
	Meets July 11, 2016 - August 19, 2016		
	TuTh 7:00pm - 10:20pm	ARC 1105	

URSP688L **Recent Developments in Urban Studies; Planning Technology**

Credits: 3 Grading Method: Regular, Audit

Examination of selected current aspects of urban affairs and planning, including, for example, in the United States or neighborhood preservation in Russia. Location of course may be off-campus.

0101	Chao Liu	Seats (Total: 20)	
	Meets May 31, 2016 - July 8, 2016		
	TuTh 7:00pm - 10:20pm	ARC 1115	
	Class time/details on ELMs	ONLINE	Discussion

URSP705 **Summer Community Planning Studio I**

Credits: 4 Grading Method: Regular, Audit

Restriction: Permission of instructor.

Intensive community planning group field work, typically five days a week for four weeks. Often outside the USA. Application of class work to actual planning and policy challenges. Students seeking to meet the URSP studio requirement must also take URSP 706.

A Partnership for Action Learning in Sustainability (PALS) course where students apply classroom learning to actual community needs.

0101	James Cohen **Meets May 31, 2016 - July 8, 2016** MW 6:30pm - 10:40pm Class time/details on ELMs	Seats (Total: 10) ARC 1119 ONLINE	 Discussion
0102	Gerrit Knaap, Christopher Dempwolf **Meets May 31, 2016 - July 8, 2016** Contact instructor or department for details.	Seats (Total: 10)	

URSP706 **Summer Community Planning Studio II**

Credits: 2 Grading Method: Regular, Audit

Restriction: Permission of instructor.

Intensive analysis and report-preparation of work completed in URSP 705 Held in College Park. Students seeking to meet the URSP studio requirement must also take URSP 705.

0201	James Cohen **Meets July 11, 2016 - August 19, 2016** MW 6:30pm - 10:40pm	Seats (Total: 10) Location: TBA	
0202	Gerrit Knaap, Christopher Dempwolf **Meets July 11, 2016 - August 19, 2016** Contact instructor or department for details.	Seats (Total: 10)	

URSP709 **Field Instruction**

Credits: 3 Grading Method: Regular, Audit

Students will satisfy a 300-hour internship (20 hours for 15 weeks during the spring, 25 hours a week for 12 weeks during the summer). Suitable internships are approved by the Internship Coordinator or Instructor; they involve a significant amount of planning work (preferably in the student's are of interest) and provide an appropriate on-site supervisor. The Internship Coordinator will assist students in finding a suitable internship, but the ultimate responsibility rests with each student. Whether the internship is paid or not is a matter to be worked out between the student and the organization.

0101	James Cohen	Seats (Total: 20)
	Meets May 31, 2016 - July 8, 2016	
	Contact instructor or department for details.	
	Contact instructor or department for details.	

URSP788 **Independent Study in Urban Studies and Planning**

(Perm req)

Credits: 1-3 Grading Method: Regular

Directed research and study of selected aspects of urban affairs.

Contact department for information to register for this course.

URSP798 **Readings in Urban Studies and Planning**

(Perm req)

Credits: 1-3 Grading Method: Regular

Directed readings in selected aspects of urban affairs and planning.

Contact department for information to register for this course.

URSP799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

URSP898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Selected topics in Urban Studies and Planning. Topics will vary with the instructor.

Contact department for information to register for this course.

URSP899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

This course is a required course for the Ph.D program in Urban and Regional Planning and Design.

Contact department for information to register for this course.

WMST Women's Studies Summer 2016

WMST250 **Introduction to Women's Studies: Women, Art and Culture**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HA, D | General Education: DSHU, DVUP

An examination of women's creative powers as expressed in selected examples of music, film, art, drama, poetry, fiction, and other literature. Explores women's creativity in relation to families, religion, education, ethnicity, class, sexuality, and within a cultural tradition shaped by women.

WB11	Justin Sprague **Meets May 31, 2016 - July 8, 2016** Class time/details on ELMs	Seats (Total: 30) ONLINE
WB21	Renina Jarmon **Meets July 11, 2016 - August 19, 2016** Class time/details on ELMs	Seats (Total: 30) ONLINE

WMST269A **Special Topics in Study Abroad II; Women and Addiction**

Credits: 1 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

WMST269C **Special Topics in Study Abroad II; Modern Chinese Culture: Women's Studies**

Credits: 1 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

WMST269F **Special Topics in Study Abroad II; Women in Spanish Film**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

WMST269M **Special Topics in Study Abroad II; Mexican Society: History and Gender Issues**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

WMST369G **Special Topics in Study Abroad III; Gender and Post Socialist Transformation in Central Europe**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

WMST369K **Special Topics in Study Abroad III; Spanish Gender Studies**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

WMST386 **Experiential Learning**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail

Restriction: Must have Learning Proposal approved by Women's Studies Academic Advisor; and junior standing or higher.

Contact department for information to register for this course.

WMST400 **Theories of Feminism**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course in WMST; or must have completed a course cross-listed with a WMST course.

A study of the multiplicity of feminist theories which have been developed to explain women's position in the family, the workplace, and society. Major feminist writings are considered in the context of their historical moment and in the context of the intellectual traditions to which they relate.

WB11	Michele Prince	Seats (Total: 30)
	Meets May 31, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE

WMST469E **Study Abroad Special Topics IV; European Women from Past to Present**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

WMST469M **Study Abroad Special Topics IV; Sociology, Gender and Indigenous Beliefs in Mexican Cultures**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

WMST498M **Advanced Special Topics in Women's Studies; Women and the Civil Rights Movement**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Also offered as AASP498I and HIST360. Credit granted for HIST360, AASP498I, and WMST498M.

WB51	Elsa Barkley Brown	Seats (Total: 40)
	Meets June 20, 2016 - July 8, 2016	
	Class time/details on ELMs	ONLINE

WMST499 **Independent Study**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Research and writing or specific readings on a topic selected by the student and supervised by a faculty member of the Women's Studies Department.

Contact department for information to register for this course.

WMST699 **Independent Study**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Research and writing on specific readings on a topic selected by the student which is approved and supervised by a faculty member of the Women's Studies Department.

Contact department for information to register for this course.

WMST899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.